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Research interests and goals:

Complementary interests in 1) the dynamics of the evolutionary process as revealed in certain key evolutionary problems such as cooperation, sexual recombination, intragenomic conflict, kin selection, levels of selection (heterarchic selection), exchange/reciprocation, bargaining, aggression, coalitions, inbreeding depression and avoidance, status, the evolution of Mendelism, *n*-person strategic interactions, coordination, counter-entropic neural development, communication, Darwinian medicine, cancer evolution, and adaptationist approaches to culture; 2) exploring how the architectures of our evolved systems of neural computation derive from the information ecology and enduring adaptive problems of ancestral environments; 3) combining experimentation, cognitive neuroscience methods, and field investigations with knowledge of how natural selection operated in ancestral hunter-gatherer contexts in order to map specific components of human nature (that is, to map the functional logic and information-processing designs of our evolved, species-typical cognitive, emotional, motivational, and developmental programs); 4) exploring how these evolved neurocomputational adaptations organize, explain and were shaped by social behavior, cultural processes, economic, moral, and political phenomena, and other population-level phenomena; 5) exploring how this approach can help pave the way for a genuine theoretical unification of the behavioral and social sciences (economics, political science, anthropology, psychology, cognitive neuroscience, etc.), and their integration with the (rest of the) natural sciences.

Education:

A.B. 1975 Experimental Psychology, *Harvard University*
 A.M. 1981 Behavioral Biology, *Harvard University*
 Ph.D. 1989 Biological Anthropology, *Harvard University*
 Postdoctoral scholar, 1988 - 1989 Department of Psychology, *Stanford University* (with Roger Shepard)

Employment:

1989 - 1990: Fellow, *Center for Advanced Study in the Behavioral Sciences*.
 1990 - 1993: Assistant professor, Department of Anthropology, *University of California*, Santa Barbara
 1994 - 1998: Associate professor, Department of Anthropology, *University of California*, Santa Barbara
 1994 - : Co-Director, Center for Evolutionary Psychology, *University of California*, Santa Barbara
 1995 - : Affiliated faculty, Department of Psychological and Brain Sciences, *University of California*, Santa Barbara
 1998 - 2014: Professor, Department of Anthropology, *University of California*, Santa Barbara
 2015 - : Distinguished Professor, Dept. of Anthropology, *University of California*, Santa Barbara

Selected Awards, Honors & Fellowships:

1989 - 1990: Fellow, *Center for Advanced Study in the Behavioral Sciences*
 1991: Presidential Young Investigator Award, *National Science Foundation*
 1992: Fellow, *Zentrum für interdisziplinäre Forschung (ZiF) der Universität Bielefeld*, Germany
 1999 - 2001: President, *Human Behavior & Evolution Society* (elected)
 1999 - 2000: Fellow, *John Simon Guggenheim Memorial Foundation*
 2004: Finalist, NIH Director's Pioneer Award (final 21 out of 1300+ nominees worldwide based on track record of breakthroughs in behavioral and biomedical sciences); co-authored with Cosmides winning Pioneer Award proposal 2005

2005: Fellow (elected), *American Psychological Society/Association for Psychological Science*
2006-2007: Arizona State University Templeton Research Fellow in Human Nature (7 lectures)
2011: Santa Fe Institute Founders' Society membership (for 1985 Institute inaugural involvement)
2011-2012: 57th Faculty Research Lectureship (with Cosmides) "highest honor that UCSB can bestow"

Major Grants:

National Science Foundation: Cognitive adaptations to ancestral environments. PI. (1991 - 1996, \$312,500). BNS9157-449
James S. McDonnell Foundation: Evolution and cognitive neuroscience. PI. (1991 - 1996, \$187,500)
Harry Frank Guggenheim Foundation: Cognitive foundations of threat and alliance. (1995-1996, \$22,361, w/ Leda Cosmides)
NIH Pioneer Award (grant co-author and co-PI with Leda Cosmides, \$2.5 million; 2005-2012)
National Science Foundation (co-PI w Cosmides): The hidden correlates of social exclusion (2010-2012 \$399,792 BCS 0951597)
John T. Templeton Foundation. Cooperation and valuing others: Evolutionary and emotional foundations. PI. (\$2,598,681. July 1, 2012 - June 30, 2015)

Co-founder and co-director, Center for Evolutionary Psychology:

The Center for Evolutionary Psychology at UCSB trains graduate students and other researchers, and coordinates research teams with expertise in evolutionary biology, psychology, anthropology, economics, political science, and cognitive neuroscience to identify (1) adaptive problems our hunter-gatherer ancestors faced, (2) the functional architecture of the behavior-regulating programs that evolved to solve these problems, (3) their neurocomputational basis, and (4) how they generate culture and impose systematic patterns of social behavior both within and across cultures. The CEP hosts visiting faculty, post-docs, and pre-doctoral researchers from around the world, and maintains special relationships with our sister centers (The Center for the Sociality of Mind / Center for the Study of Cultural and Ecological Foundations of the Mind / Center for Experimental Research in Social Sciences, Hokkaido University, Japan; and the Max Planck Institute for Human Development, Center for Adaptive Behavior and Cognition, Berlin, Germany). Specific activities include the Human Universals Project, which attempts to document the existence of species-typical psychological adaptations and test theories of culture through coordinating parallel experimental studies cross-culturally, with projects at the Center's primary field sites in the Amazonian rainforest of Ecuador, as well as comparative projects in Argentina, Australia, Bolivia, Brazil, Chile, Denmark, Dominica, Germany, India, Israel, Japan, Korea, South Africa, the United Kingdom, and the U.S. 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* here).

Completed Ph.D. students, mentored or co-mentored with Cosmides and other CEP faculty through the Center for Evolutionary Psychology/UCSB Anthropology & Psychology programs:

Gary Brase, Ph.D., Associate Professor, Dept. of Psychology, **Kansas State University**
Clark Barrett, Ph.D., Professor, Dept. of Anthropology, **University of California, Los Angeles**
Andrew Delton, Ph.D., Assistant Professor, Center for Behavioral Political Economy, **Stoney Brook University**
Brad Duchaine, Ph.D. Associate Professor, Dept. of Psychological & Brain Sciences, **Dartmouth University**
Elsa Ermer, Ph.D., Assistant Professor, Dept. of Psychology, **Adelphi University**
Laurence Fiddick, Ph.D., Associate Professor, School of Psychology, **James Cook University**, Australia
Ed Hagen, Ph.D., Associate Professor, Dept. of Anthropology, **Washington State University**
Nicole Hess, Ph.D., Visiting Professor, Dept. of Anthropology, **Washington State University**, (co-mentored with D. Symons)
Max Krasnow, Ph.D., Assistant Professor, Dept. of Psychology, **Harvard University**
Robert Kurzban, Ph.D., Professor, Dept. of Psychology, **University of Pennsylvania**, former post-doc with Vernon Smith, 2002 *Nobel Memorial Prize for Economic Sciences*; former post-doc with Jim Sidanius, Harvard University
Debra Lieberman, Ph.D., Associate Professor, Dept. of Psychology, **University of Miami**
Joshua New, Ph.D., Assistant Professor, Dept. of Psychology, **Barnard College-Columbia University**

Michael Price, Ph.D., Senior Lecturer, Dept. of Psychology, **Brunel University London**, former post-doc with Elinor Ostrom, 2009 *Nobel Memorial Prize for Economic Sciences*

Aaron Sell, Ph.D., Lecturer, **Griffiths University School of Criminology & Criminal Justice**, Australia

John Patton, Ph.D. Professor, Dept. of Anthropology, **California State University Fullerton** (co-mentored w N. Chagnon)

Tess Robertson, Ph.D., Assistant Professor, Center for Behavioral Political Economy, **Stoney Brook University**

Mel Rutherford, Ph.D. Associate Professor in the Department of Psychology, Neuroscience and Behaviour, **McMaster University**

Lawrence Sugiyama, Ph.D., Professor, Dept. of Anthropology, **University of Oregon** (co-mentored w N. Chagnon)

**presently in post-doctoral fellowships:*

*Brandy Burkett, Ph.D., post-doc, Dept. of Psychology, **College of William & Mary**, Virginia

*Julian Lim, Ph.D., Center for Evolutionary Psychology, **University of California, Santa Barbara**

*David Pietraszewski, Ph.D., Research Scientist, Center for Adaptive Rationality, **Max Planck Institute for Human Development**, Berlin, Germany

*Daniel Sznycer, Ph.D., Center for Evolutionary Psychology, **University of California, Santa Barbara**

*Danielle Truxaw, Ph.D., Research Associate, Dept. of Psychology, **Harvard University**

*Annie Wertz, Ph.D., 2014-2018, Research Group Leader, Naturalistic Social Cognition unit, **Max Planck Institute for Human Development**, Berlin, Germany

Selected Professional Activities 1989-present:

Co-director, Center for Evolutionary Psychology; President, *Human Behavior and Evolution Society* 1999-2001; invited nominator for the *Nobel Memorial Prize in Economic Sciences* from 2007-present; invited nominator for *the Harvard Society of Fellows*; Executive Council, Sage Center for the Study of the Mind, UCSB; Board, *UCSB Experimental and Behavioral Economics Laboratory*; Board, *Institute of Cognition and Culture*, Queen's University Belfast; *Edge* ongoing participant; co-organizer of conferences, events and exchanges with *The Center for the Sociality of Mind / Center for the Study of Cultural and Ecological Foundations of the Mind* (Hokkaido University, Japan); multi-decade research connection with the Max Planck Institute for Human Development, Berlin; 2014 faculty Central European University Summer Institute on Morality: Evolutionary Origins and Cognitive Mechanisms; Editorial Boards (various, including): *Evolution & Human Behavior*; *The Cognitive Neurosciences*; *Journal of Cognition and Culture*; *The New Cognitive Neurosciences*; *Evolutionary Psychology*; *2005 and 2010 Wiley Handbook of Evolutionary Psychology*; organizer, *UCSB Social Mind Project*; organizer, *UCSB Evolutionary Behavioral and Social Science* program (EBSS); inaugural organizer and subsequent co-organizer, *UCSB Evolution, Mind & Behavior Program* & joint UCLA-UCSB quarterly miniconference that evolved into 3UC conference (now annual California Workshop in the Evolutionary Social Sciences); co-organizer of 1999 *Imagination and the Adapted Mind* international conference; organizer CEP Research Seminar (2004-present); member Cognitive Science Program, UCSB; member Interdisciplinary Development Program, UCSB; faculty Developmental and Evolutionary Psychology Program, UCSB; Section Leader, *Evolutionary approaches to cognitive neuroscience*, 1998 *James S. McDonnell Cognitive Neuroscience Conference*, Olympic Valley, California (with Leda Cosmides); Program Co-chair for the 1995 *Human Behavior and Evolution Society Meetings* (with Leda Cosmides); Co-organizer for *the 1994 James S. McDonnell Cognitive Neuroscience Summer Institute*, UC Davis (with Leda Cosmides); Section Leader, 1993 *James S. McDonnell Cognitive Neuroscience Conference*, Olympic Valley, California (with Leda Cosmides); co-organizer, 1995, UC Davis Center for Neuroscience Conference on Evolution, Memory, and Consciousness; Reviewer or Consultant for: *Science*, *Nature*, *Nature Genetics*, *American Anthropologist*, *Behavioral and Brain Sciences*, *Cognition*, *Current Anthropology*, *Ethology and Sociobiology*, *Human Nature*, *Journal of Abnormal Psychology*, *Proceedings of the National Academy of Sciences*, *Psychological Review*, *Psychological Bulletin*, *Personality and Social Psychology Bulletin*, *Politics and the Life Sciences*, *Quarterly Review of Biology*, *Trends in the Cognitive Sciences*, *NSF*, *NIH*, *MacArthur Foundation*, *John Templeton Foundation*, *Heinz Foundation*, *MIT Press*, *Oxford University Press* (and other presses), and many others; non-academic: *BBC*, *The Economist*, *The New Republic*, *Newsweek*, *New Scientist*, *Scientific American*, *Slate*, *Time*, *US News and World Report*, *Washington Post*, *New York Times*,

Nightline, KCET, *Nova*, *Horizon*, NPR, *The Sciences*, *Science News*, *Smithsonian*, and many others; hundreds of evaluation letters for tenure, hiring, promotion, and awards, for institutions in the U.S. and Europe;

Teaching:

Evolutionary psychology and cognitive neuroscience. The mapping of our evolved, species-typical neural/psychological adaptations for kinship, mating, sex, parenting, exchange, incest avoidance, cooperation, group dynamics, moral sentiments, coalitions and cognitive adaptations for groups, the evolved mechanisms implicated in warfare and intergroup conflict. The evolved functional logic of anger, guilt, shame, gratitude, love, outrage, fear, jealousy. Instincts as specialized problem-solving and learning systems. How natural selection among ancestral foragers designed mechanisms underlying human reasoning, emotion, motivation, memory, categorization, and attention.

Human and primate behavioral ecology. Hunter-gatherer studies; the reconstruction of hominin behavioral evolution; selectionist theories of primate behavior; primate social structure and evolution; socioecology, etc.

Evolutionary anthropology: Biocultural and biosocial anthropology, the evolutionary and cognitive basis of cultural transmission and social dynamics; the nature of culture; human universals; how evolved psychological specializations shape cultural and social phenomena, including social structure in small-scale societies; the effort to create a unified natural science of human behavior.

Evolutionary genetics. The evolution of genetic systems, sexual recombination, and intragenomic conflict. How natural selection produced the Mendelian system of inheritance and sexual recombination. The impact of Mendelism and natural selection on impact on sexual selection, development, parenting, kinship, inbreeding avoidance, cooperation, conflict, life-history, and senescence. The human genome, behavior genetics, and behavior genomics. The relationship of genetics to brain, psychology, and behavior.

Evolutionary cognitive neuroscience and social neuroscience. Evidence about our evolved species-typical mechanisms from neuroimaging, neuropsychology, developmental syndromes, and normal development. Relationship between computational architecture and neural architecture.

Psychological anthropology. History and state of the art, from Freud to evolutionary and cultural psychology. Theoretical dialogue between models of universal human nature and models that emphasize cultural particularism. How children learn culture. How human psychological mechanisms generate culture. Human psychological development.

Professional memberships:

American Psychological Society/Association for Psychological Science (Fellow); The Human Behavior and Evolution Society (President 1999-2001); American Psychological Association; American Anthropological Association; American Association of Physical Anthropologists; American Association for the Advancement of Science; Animal Behavior Society; American Society of Naturalists; The Society for the Study of Evolution;

UCSB Committee on Research, Office of Research and intramural grants:

2012: funding raised from Deans of Colleges of Arts and Sciences support for Richard Dawkins' *Darwin's Five Bridges* public lecture at UCSB; support also from Sage Center for the Study of the Mind, CEP, Dept. of Anthropology, Dept. of Psychology

2005-2006: The evolutionary biology of human guilt: mapping the evolved mechanisms designed for the recalibration of the relative weight placed on the welfare of self versus others. (laid groundwork for \$2.6 million Templeton grant application)

2004-2005: The evolutionary biology of human anger and welfare trade-off ratios: the architecture of aggression regulation and cooperation withdrawal. (laid groundwork for \$2.5 million NIH Pioneer Award grant application)

2003-2004: The evolutionary biology of human kin recognition (funded research for 2007 *Nature* publication)

2002-2003: Triggers of *us* versus *them* perception: Racial awareness as coalitional computation.

2001-2002: Exploring the structure of incest avoidance mechanisms.

2000-2001: The cognitive neuroscience of social reasoning.

1999-2000: Mapping the structure of cognitive programs for precaution and threat interpretation for cross-cultural and neuropsychological investigations.

pre-1999: Social Mind Program: Research Across Disciplines Grant, Office of Research

Imagination and the Adapted Mind conference support, Office of Research
Evolution, Mind, and Behavior Program support, Letters and Sciences
Computer models of natural selection and behavioral ecology: Instructional Improvement grant.

Empirical Research Projects (*Primary collaborator: Leda Cosmides*)

Ongoing research in evolutionary psychology, anthropology, and cognitive neuroscience: Our research goal is the discovery and progressive mapping of the evolved computational adaptations that comprise our species-typical brain architecture, and the exploration of the systematic behavioral patterns these programs generate in different social and cultural environments. Starting with models of specific adaptive problems derived from evolutionary biology and paleoanthropology, the design of cognitive, emotional, and motivational adaptations is explored through experimentation, cross-cultural studies, the study of selective neurological deficits, and neuroimaging. In addition to study sites we have established in Ecuador, we have been developing a collaborative network of field sites that will allow carefully controlled cross-cultural comparisons, the identification of species-typical architecture invariances, and tests of competing theories of culture. Over the last 12 years, we have begun to collaborate on neuroimaging research, and studies of focal brain damage.

1) *Cognitive specializations for reasoning:* We are continuing to test hypotheses about the design and architecture of cognitive adaptations specialized for reasoning about cooperation, exchange, extortive threat, bluffing, and hazard management. In addition to testing fine-grained hypotheses about the computational structure of these reasoning specializations, we are exploring the cross-cultural universality, genetic basis, and neural correlates of these mechanisms.

2) *Human Kin Detection Project:* Theories of selection pressures suggest that humans ought to have a specialized neurocomputational system designed to identify genetic relatives. By relating variables such as childhood coresidence and family composition to the degree of welfare trade off and the degree of sexual repulsion to various family members, we have for the last decade been collecting data on over one thousand subjects to map the architecture of this system, and how it regulates altruism towards genetic relatives, sexual disgust toward genetic relatives, and moral sentiments about third parties engaging in incest. Using these data, we have been able to map the computational architecture of sibling detection, and show its uniformity across two human populations. We are presently expanding the number of sites (to Brazil, Japan, Dominica, and Bolivia), and expanding the categories of kinship explored.

3) *Ecuador Projects:* We have been adapting a variety of experiments for use with non-literate subjects, to investigate which psychological processes are culturally variable and which are universal. So far, we and our collaborators have adapted and are running experiments on reasoning about social exchange, threat, and precaution; collective action, hunting memory; predator-prey specializations; the computational architecture of anger; spatial cognition; mother-infant emotion communication; status perception and its relationship to aggressive formidability; risk of injury and its relationship to cooperation; waist-hip ratio and perceived attractiveness; and male affective responses to children and their impact on their perceived attractiveness.

4) *The evolved computational architecture of motivational adaptations for sociality:* We have been attempting to empirically and theoretically map the computational architecture of anger, guilt, shame, gratitude, compassion, envy, sexual disgust, and kin-directed affection. We have gathered data on our hypothesis that humans have a reliably developing motivational-emotional architecture designed to compute a series of specialized regulatory variables (e.g., a kinship index; a welfare tradeoff function) that both drive decision-making and trigger affective systems that recalibrate and update these variables. So far, we have an empirically validated, well-developed model of the computational structure of anger in terms of internal regulatory variables that evolved to track evolutionarily necessary magnitudes necessary for functional decision making; a well-supported model of reciprocal cooperation tied to gratitude and anger; and several

dozen studies on the recalibrational architecture of anger, guilt, compassion, envy, punitiveness, and gratitude.

5) *Cognitive neuroscience*: Center affiliates have been working on a series of projects, including the origins of face recognition specializations (with developmental prosopagnosics), neural dissociations between social exchange reasoning and precautionary reasoning, neural imaging of social exchange versus precautionary reasoning, the effects of autism and focal brain damage on autobiographical and social memory, and other projects.

6) *Coalitional psychology, racial awareness, and collective action*: By modeling the selection pressures shaping how our hominin ancestors would have cooperated and competed in groups, we have been deriving and testing a set of predictions about the designs of the computational components of a specialized evolved psychology of coalitions. We have been testing these predictions using a variety of methods, and expect to explore increasingly sophisticated features of this psychology. Using this set of models, we have (with Robert Kurzban and David Pietraszewski) found that that coalitional alliance is automatically encoded; that, contrary to consensus views in social cognition, race *per se* is not necessarily automatically encoded; that in modern circumstances, race is interpreted as a cue to coalitional alliance; and that race encoding can be reduced by creating contexts in which race does not predict coalitional alliance. These findings have recently been replicated and extended in seven sites in Brazil.

7) *Decoupled cognition, metarepresentation, and scope syntax*: A zoologically unusual – if not unique – property of human minds and behavior is our ability to construct novel plans of action based on information of limited scope (i.e., information that is true only within very limited circumstances of time and place). Plausibly related to this is our ability to engage in suppositional reasoning and to model counterfactual worlds. We have been exploring the nature of the computational machinery that causes these abilities, including the possibility that the mind has a sophisticated scope syntax: sets of rules, procedures, and data formats that control the flow of information between cognitive systems. Our theoretical and review work on this topic has been leading to a number of empirical projects. For example, with Stan Klein, we empirically tested a hypothesis about scope syntax and the evolution of memory systems. This work indicates that speed plus accuracy can be engineered into decision rules that use stored information if they are designed to simultaneously retrieve a summary generalization (from semantic memory) along with episodic memories that are inconsistent with that summary, in order to bound the scope within which the generalization applies.

8) *Ecological rationality and evolved mechanisms for statistical inference*: We are presently exploring a series of hypotheses about what cognitive adaptations for statistical inference and probabilistic decision-making ancestral hominid hunter gatherers should have evolved. Contrary to the existing consensus, we have been able to detect the presence of well-designed statistical reasoning adaptations, by presenting subjects data in formats more similar to what ancestral human hunter-gatherers would have encountered than psychologists usually use; we have been able to develop an alternative to prospect theory that systematically accounts for a number of anomalies in prospect theory.

Other Areas of Research Activity

Ongoing research in evolutionary biology:

The evolution of genetic systems: Starting from the hypothesis that the primary function of sexual reproduction is to defeat coevolving pathogens, and by using the specific approach developed by Tooby (1982) on recombination and Cosmides & Tooby (1981) on intragenomic conflict, the goal is the derivation and refinement of a systematic set of principles that predict and account for many of the fundamental features of genetic systems, including the ecological and life-history correlates of parthenogenesis, inbreeding, mating systems, chromosome morphology, chromosome number, polymorphism, dispersal, and others. Also, the breaking apart of gene associations through sexual recombination provides constraints on how much complex adaptations may vary between individuals in a species, including neural adaptations, making most complex adaptations species-typical. This selects for a layer of developmental adaptations to solve the problems of constructing complex adaptations given the chronic disordering effects of potentially developmentally disruptive allelic variation that accumulated to retard parasites.

The evolutionary dynamics of 2-person and n-person cooperation and conflict: Using agent-based techniques and developing something we call adaptationist game theory, we are developing models of 2-person and n-person cooperation, conflict, and punishment related to our empirical work on reciprocity, punitive sentiments, alliance detection, and social exchange.

Publications

Books:

- Barkow, J., Cosmides, L. & Tooby, J., editors (1992). *The Adapted Mind: Evolutionary psychology and the generation of culture*. Oxford University Press.
- Barkow, J., Cosmides, L. & Tooby, J., editors (in press). *The Adapted Mind: Evolutionary Psychology and the Generation of Culture: Revised and Expanded Edition*. Oxford University Press.
- Section Editor (1995). *The Cognitive Neurosciences*. Evolutionary Approaches Section. (Michael S. Gazzaniga, Ed.) Cambridge: MIT Press.
- Cosmides, L. & Tooby, J. (1997) [Evolutionary Psychology: A Primer](#). Online at The Center for Evolutionary Psychology [most linked web resource giving introduction and overview of evolutionary psychology]
- Section Editor, (2000). *The New Cognitive Neurosciences*. Section editors, "Evolution (Section X)". *The new cognitive neurosciences, Second edition*, (Michael 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*. Oxford University Press.
- Tooby, J. & Cosmides, L. (forthcoming) *Evolutionary psychology: Foundational Papers*. with a forward by Steven Pinker. MIT Press: Cambridge

Articles & Chapters: for pdfs use links below or visit: www.psych.ucsb.edu/research/cep/publist.htm

- Cosmides, L. & Tooby, J. (1981). [Cyttoplasmic inheritance and intragenomic conflict](#). *Journal of Theoretical Biology*, 89, 83-129.
- Tooby J. (1982). [Pathogens, polymorphism, and the evolution of sex](#). *Journal of Theoretical Biology*, 97: 557-576.

- Tooby, J. (1984). [Reply](#) to M. Blute's "The sociobiology of sex and sexes today." *Current Anthropology*. 25(2): 193-212.
- Tooby, J. (1985). [The emergence of evolutionary psychology](#). In: *Emerging Syntheses in Science. Proceedings of the Founding Workshops of the Santa Fe Institute*. Santa Fe, NM: The Santa Fe Institute.
- Tooby J. and DeVore, I. (1987). [The reconstruction of hominid behavioral evolution through strategic modeling](#). In *Evolution of Human Behavior: Primate Models*, W. Kinzey (Ed.) New York: SUNY Press.
- Tooby, J. (1987). [Reply to R.J. Blumenschine's "Characteristics of an Early Hominid Scavenging Niche."](#) *Current Anthropology*. 28(4), 399-400.
- 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. (1988). *The evolution of sex and its sequelae*. Doctoral dissertation, Harvard University. University Microfilms.
- 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
- 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.
- 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*. (pp. 19-136) New York: Oxford University 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*. (pp. 163-228) 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. (1992). Section Introduction: Cooperation. In J. Barkow, L. Cosmides, & J. Tooby (Eds.), *The adapted mind: Evolutionary psychology and the generation of culture*. New York: Oxford University Press. pp. 161 - 162
- Cosmides, L. & Tooby, J. (1992). Section Introduction: The psychology of mating and sex. In J. Barkow, L. Cosmides, & J. Tooby (Eds.), *The adapted mind: Evolutionary psychology and the generation of culture*. New York: Oxford University Press. pp. 245 - 247
- Cosmides, L. & Tooby, J. (1992). Section Introduction: Parental care and children. In J. Barkow, L. Cosmides, & J. Tooby (Eds.), *The adapted mind: Evolutionary psychology and the generation of culture*. New York: Oxford University Press. pp. 323 - 326
- Cosmides, L. & Tooby, J. (1992). Section Introduction: Perception and language as adaptations. In J. Barkow, L. Cosmides, & J. Tooby (Eds.), *The adapted mind: Evolutionary psychology and the generation of culture*. New York: Oxford University Press. pp. 445 - 449
- Cosmides, L. & Tooby, J. (1992). Section Introduction: Environmental aesthetics. In J. Barkow, L. Cosmides, & J. Tooby (Eds.), *The adapted mind: Evolutionary psychology and the generation of culture*. New York: Oxford University Press. pp. 551 - 553
- Cosmides, L. & Tooby, J. (1992). Section Introduction: Intropsychic processes. In J. Barkow, L. Cosmides, & J. Tooby (Eds.), *The adapted mind: Evolutionary psychology and the generation of culture*. New York: Oxford University Press. pp. 599 - 600
- Cosmides, L. & Tooby, J. (1992). Section Introduction: New theoretical approaches to cultural processes. In J. Barkow, L. Cosmides, & J. Tooby (Eds.), *The adapted mind: Evolutionary psychology and the generation of culture*. New York: Oxford University Press. pp. 625 - 626
- 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.
- 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.
- Tooby, J. & Cosmides, L. (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).
- Thornhill, N., Cosmides, L., Maryanski, A., Meyer, P., Tooby, J., & Turner, J. (1997). Evolutionary theory and human social institutions: Psychological foundations. In P. Weingart, P. Richerson, S. Mitchell, & S. Maasen (Eds.), *Human by nature: Between biology and the social sciences*. (pp. 201-252). Mahwah, NJ: Erlbaum.
- Turner, J., Borgerhoff Mulder, M., Cosmides, L., Giesen, B., Hodgson, G., Maryanski, A., Shennan, S., Tooby, J., & Velichkovsky, B. (1997). Looking back: Historical and theoretical context of present practice. In P. Weingart, P. Richerson, S. Mitchell, & S. Maasen (Eds.), *Human by nature: Between biology and the social sciences*. (pp. 17-64). Mahwah, NJ: Erlbaum.
- Stone, V. E., Baron-Cohen, S., Cosmides, L., Tooby, J. and 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 and P. Langley (Eds.), London: Lawrence Erlbaum, p. 1062.
- Brase, G., Cosmides, L., & Tooby, J. (1998). [Individuation, Counting, and Statistical Inference: The role of frequency and whole object representations in judgment under uncertainty](#). *Journal of Experimental Psychology: General*, 127, 1-19. doi: 10.1037/0096-3445.127.1.3
- Tooby, J., & Cosmides, L. (1998). [Start with Darwin...](#) In M. S. Gazzaniga & J. Altman (Eds.), *Brain and Mind: Evolutionary Perspectives*. Vol. 5, pp.10-15. Strasbourg, France: Human Frontier Science Program.
- Tooby, J. & Cosmides, L. (1998). [Evolutionizing the cognitive sciences: A reply to Shapiro and Epstein](#). *Mind & Language*, 13(2), 195-204.
- Cosmides, L. & Tooby, J. (1999). Evolutionary psychology. *MIT Encyclopedia of Cognitive Science*. (pp. 294-297.) Cambridge, MA: MIT Press.
- Cosmides, L. & Tooby, J. (1999). [Toward an evolutionary taxonomy of treatable conditions](#). *Journal of Abnormal Psychology*, 108, 453-464. doi: 10.1037/0021-843X.108.3.453
- Rode, C., Cosmides, L., Hell, W., & Tooby, J. (1999). [When and why do people avoid unknown probabilities in decisions under uncertainty? Testing some predictions from optimal foraging theory](#). *Cognition*, 72, 269-304. doi: 10.1016/S0010-0277(99)00041-4
- Tooby, J. (1999) [The most testable concept in biology](#), Part 1. View From the President's Window. *Human Behavior and Evolution Society Newsletter*. 8(2):1-8.

- Tooby, J. & Cosmides, L. (2000). [Toward mapping the evolved functional organization of mind and brain](#). In M. S. Gazzaniga (Ed.), *The New Cognitive Neurosciences, Second Edition*. Cambridge, MA: MIT Press. (Chapter 80, pp. 1167-1178.)
- 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.) Reprinted, 2005, in *Conceptual Issues in Evolutionary Biology*, Third Edition. E. Sober (Ed.). Cambridge, MA: MIT Press.
- Tooby, J. & Cosmides, J. (2000). Sub-editor of *Evolution Section* [9 Chapters]. *The New Cognitive Neurosciences*. (Michael S. Gazzaniga, 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.)
- Cosmides, L. & Tooby, J. (2000). [Evolutionary psychology and the emotions](#). In M. Lewis & J. M. Haviland-Jones (Eds.), *Handbook of Emotions, 2nd Edition*. (pp. 91-115.) NY: Guilford.
- Tooby, J. (2000) Denounce, critique, or ignore? How to deal with fringe academics. A dialogue with Alex Starr and Judith Shulevitz. *Slate*. Feb. 2, 2000 <http://slate.msn.com/dialogues/00-02-01/dialogues.asp?iMsg=2>
- Feb. 2, 2000 Opening Dialogue
- Feb. 3 Dialogue: What is an evolutionary psychologist?
- Feb. 7 Dialogue: Moral history of group selection.
- Feb. 9 Dialogue: Heidegger, de Man and silence
- 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.
- Fiddick, L., Cosmides, L., & Tooby, J. (2000). [No interpretation without representation: The role of domain-specific representations and inferences in the Wason selection task](#). *Cognition*, 77, 1-79. doi: 10.1016/S0010-0277(00)00085-8
- Tooby, J. & Cosmides, L. (2000). [Cognitive adaptations for kin-based coalitions: human kinship systems at the intersection between collective action and kin selection](#). *Current Anthropology*, 41(5), 803-804.
- Tooby, J. (2000) [Jungle Fever: Did two U.S. scientists start a genocidal epidemic in the Amazon, or was The New Yorker duped?](#) *Slate* Oct. 24, 2000
- Tooby, J. (2000) Witchcraft accusations in anthropology: What kind of people will we become? *Anthropology News*: December 2000 Issue
- Hagen EH, Price ME and Tooby J (2000) [Preliminary Report on Darkness in El Dorado](#).
- Tooby, J. & Cosmides, L. (2001). [Does beauty build adapted minds? Toward an evolutionary theory of aesthetics, fiction and the arts](#). *SubStance*, Issue 94/95, 30(1), 6-27.
- Tooby, J. & Cosmides, L. (2001). Dialogue with Ellen Spolsky. *Substance*, Issue 94/95, 30(1), 199-200
- Cosmides, L. & Tooby, J. (2001). [Unraveling the enigma of human intelligence: Evolutionary psychology and the multimodular mind](#). In R. J. Sternberg & J. C. Kaufman (Eds.), *The evolution of intelligence*. (pp. 145-198). Hillsdale, NJ: Erlbaum.
- Duchaine, B., Cosmides, L., & Tooby, J. (2001). [Evolutionary psychology and the brain](#). *Current Opinion in Neurobiology*, 11(2), 225-230. doi:10.1016/S0959-4388(00)00201-4
- 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

- Kurzban, R., Tooby, J. & Cosmides, L. (2001). [Can race be erased?: Coalitional computation and social categorization](#). *Proceedings of the National Academy of Sciences*, 98(26), 15387-15392. doi: 10.1073/pnas.251541498
- Tooby, J. (2001). [Is human nature hidden in the genome?](#) *Nature Genetics* 29(4), 363 (December 2001). (doi:10.1038/ng1201-363)
- 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
- Price, M. E., Cosmides, L. & Tooby, J. (2002). [Punitive sentiment as an anti-free rider psychological device](#). *Evolution and Human Behavior*, 23, 203-231. doi:10.1016/S1090-5138(01)00093-9
- Sugiyama, L., Tooby, J. & Cosmides, L. (2002). [Cross-cultural evidence of cognitive adaptations for social exchange among the Shiwiar of Ecuadorian Amazonia](#). *Proceedings of the National Academy of Sciences*, 99(17), 11537-11542. doi: 10.1073/pnas.122352999
- Stone, V., Cosmides, L., Tooby, J., Kroll, N. & Knight, R. (2002). [Selective Impairment of Reasoning About Social Exchange in a Patient with Bilateral Limbic System Damage](#). *Proceedings of the National Academy of Sciences*, 99(17), 11531-11536. doi: 10.1073/pnas.122352699
- Tooby, J. (2002) [The greatest Englishman since Newton](#). The New York Times (Sunday Edition): Vol. CVII (#40): 12. October 6, 2002.
- Cosmides, L. & Tooby, J. (2003). [Evolutionary psychology: Theoretical Foundations](#). In *Encyclopedia of Cognitive Science*. London: Macmillan.
- Sell, A., Hagen, E., Cosmides, L. & Tooby, J. (2003). [Evolutionary Psychology: Applications and Criticisms](#). In *Encyclopedia of Cognitive Science*. London: Macmillan.
- 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. [volume delayed]
- McElreath, R., Clutton-Brock T.H., Fehr, E., Fessler, D.M.T., Hagen, E., Hammerstein, P., Kosfeld, M., Milinski, M., Silk, J., Tooby, J. and Wilson, M.I. (2003) [The Role of Cognition and Emotion in Cooperation](#). In P. Hammerstein, (ed.) *Genetic and Cultural Evolution of Cooperation*, Cambridge: MIT 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
- 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
- Cosmides, L. & Tooby, J. (2003). [Review of Religion Explained: The evolutionary origins of religious thought \(by Pascal Boyer\)](#). *Journal of Cognition and Culture* 3(1), pp. 109-113.
- Tooby, J., Cosmides, L. & Barrett, H. C. (2003). [The second law of thermodynamics is the first law of psychology: Evolutionary developmental psychology and the theory of tandem, coordinated inheritances](#). *Psychological Bulletin*, 129(6), 858-865. doi: 10.1037/0033-2909.129.6.858
- Cosmides, L. & Tooby, J. (2003) [Spotlight on the researchers: Evolutionary psychology](#) (Cosmides, L. & Tooby, J.) In: *The science of personality* (second edition). Lawrence A. Pervin NY: Oxford. (pp. 155-156)
- Tooby, J. & Cosmides, L. (2003). [The design of the maternal motivation system \(Comment on A. Wolf\)](#). *Current Anthropology*, 44. S45-46
- Cosmides, L. & Tooby, J. (2004). [Knowing thyself: The evolutionary psychology of moral reasoning and moral sentiments](#). In R. E. Freeman and P. Werhane (Eds.), *Business, Science, and Ethics*. The Ruffin Series No. 4. (pp. 93-128). Charlottesville, VA: Society for Business Ethics.

- Klein, S., Cosmides, L., Murray, E. & Tooby, J. (2004). [On the acquisition of knowledge about personality traits: Does learning about the self engage different mechanisms than learning about others?](#) *Social Cognition*, 22(4), 367-390. doi: 10.1521/soco.22.4.367.38295
- Cosmides, L. & Tooby, J. (May 2004). [Can a clash of cultures undermine this cross-border merger?](#) *Harvard Business Review*, 82(5), 40.
- Cosmides, L. & Tooby, J. (2005). [Social exchange: The evolutionary design of a neurocognitive system](#). In Michael S. Gazzaniga, (Ed.), *The New Cognitive Neurosciences, III*. (pp. 1295-1308). Cambridge, MA: MIT press.
- Tooby, J., Cosmides, L. & Barrett, H. C. (2005). [Resolving the debate on innate ideas: Learnability constraints and the evolved interpenetration of motivational and conceptual functions](#). In Carruthers, P., Laurence, S. & Stich, S. (Eds.), *The Innate Mind: Structure and Content* (pp. 305-337). NY: Oxford University Press.
- Tooby, J. & Cosmides, L. (2005). [Reply to Berlinski's "On the Origin of the Modern Mind"](#). *Commentary*, 119(2 February), 14-15.
- Cosmides, L. & Tooby, J. (2005). [Neurocognitive adaptations designed for social exchange](#). In D. M. Buss (Ed.), *The Handbook of Evolutionary Psychology* (pp. 584-627). Hoboken, NJ: Wiley.
- Tooby, J. & Cosmides, L. (2005). [Conceptual foundations of evolutionary psychology](#). In D. M. Buss (Ed.), *The Handbook of Evolutionary Psychology* (pp. 5-67). Hoboken, NJ: Wiley.
- Cosmides, L., Tooby, J., Fiddick, L. & Bryant, G. A. (2005). [Detecting cheaters](#). *Trends in Cognitive Sciences*, 9(11), 505-506. doi:10.1016/j.tics.2005.09.005
- Cosmides, L. & Tooby, J. (2006). [Evolutionary psychology, moral heuristics, and the law](#). In G. Gigerenzer & Christoph Engel (Eds.), *Heuristics and the Law* (Dahlem Workshop Report 94). Cambridge, MA: MIT Press.
- Tooby, J., Cosmides, L., & Price, M. (2006). [Cognitive adaptations for n-person exchange: The evolutionary roots of organizational behavior](#). *Managerial and Decision Economics*, 27, 103-129. doi: 10.1002/mde.1287
- Tooby, J. (2006). [Evolved neurocognitive programs as the foundations of cultural and social phenomena](#). The evolution of human brain: *Proceedings of the Center for Human Evolution*. 5: 75-83. Foundation for the Future: Seattle.
- Tooby, J. & Cosmides, L. (2006). [The evolved architecture of hazard management: Risk detection reasoning and the motivational computation of threat magnitudes](#). *Behavioral and Brain Sciences* 29(6), 631-633. doi: 10.1017/S0140525X06009538
- Ermer, E., Guerin, S., Cosmides, L., Tooby, J., Miller M. (2006). [Theory of Mind Broad and Narrow: Reasoning about social exchange engages TOM areas, precautionary reasoning does not](#). *Social Neuroscience*, 1(3-4), 196-219.
- Barrett, H. C., Cosmides, L., & Tooby, J. (2007). [The hominid entry into the cognitive niche](#). (pp. 241-248). In S. Gangestad & J. Simpson (Eds.), *The Evolution of Mind*. NY: Guilford.
- Ermer, E., Cosmides, L. & Tooby, J. (2007). [Functional specialization and the adaptationist program](#). (pp. 153-160). In S. Gangestad & J. Simpson (Eds.), *The Evolution of Mind*. NY: Guilford.
- Lieberman, D., Tooby, J. & Cosmides, L. (2007). [The architecture of human kin detection](#). *Nature*, 445 (7129), 727-731. doi: 10.1038/nature05510
- Cosmides, L. & Tooby, J. (2008). Evolutionary psychology. *Encyclopedia of Political Science*, (R. Hamowy, Ed.). Thousand Oaks: Sage.
- Tooby, J. & Cosmides, L. (2007). [Evolutionary psychology, ecological rationality, and the unification of the behavioral sciences](#). *Behavioral and Brain Sciences* 30(1), 42-43. doi: 10.1017/S0140525X07000854

- Tooby, J. & Cosmides, L. (2007) [Evading truth: Review of *Scandalous Knowledge: Science, Truth and the Human*, by Barbara Herrnstein Smith](#). *The Quarterly Review of Biology*, 82(1), 35.
- Ermer, E., Cosmides, L. & Tooby, J. (2007). [Cheater detection mechanism](#). In R. Baumeister & K. Vohs (Eds.), *Encyclopedia of Social Psychology*. CA: Sage Publications.
- New, J., Cosmides, L. & Tooby, J. (2007). [Category-specific attention to animals reflects ancestral priorities, not expertise](#). *Proceedings of the National Academy of Sciences*, 104 (42), 16598-16603. doi: 10.1073/pnas.0703913104
- Cosmides, L. & Tooby, J. (2008). [Can a general deontic logic capture the facts of human moral reasoning? How the mind interprets social exchange rules and detects cheaters](#). In W. Sinnott-Armstrong (Ed.), *Moral psychology*. (pp. 53-119) Cambridge, MA: MIT Press.
- Cosmides, L. & Tooby, J. (2008). [When falsification strikes: A reply to Fodor](#). In W. Sinnott-Armstrong (Ed.), *Moral psychology*. (pp. 143-164) Cambridge, MA: MIT Press.
- Cosmides, L. & Tooby, J. (2008). [Can evolutionary psychology assist logicians?](#) In W. Sinnott-Armstrong (Ed.), *Moral psychology*. (pp. 131-136) Cambridge, MA: MIT Press.
- Ermer, E., Cosmides, L. & Tooby, J. (2008). [Relative status regulates risky decision making about resources in men: Evidence for the co-evolution of motivation and cognition](#). *Evolution and Human Behavior* 29, 106-118. doi: 10.1016/j.evolhumbehav.2007.11.002
- Tooby, J. & Cosmides, L. (2008). [The evolutionary psychology of the emotions and their relationship to internal regulatory variables](#). In: (M. Lewis, J. M. Haviland-Jones, & L. Feldman Barrett, eds.) *Handbook of Emotions*, 3rd Edition. NY: Guilford.
- Tooby, J., Cosmides, L., Sell, A., Lieberman, D. & Sznycer, D. (2008). [Internal regulatory variables and the design of human motivation: A computational and evolutionary approach](#). In Andrew J. Elliot (Ed.) *Handbook of approach and avoidance motivation*. pp. 251-271. Mahwah, NJ: Lawrence Erlbaum Associates.
- Klein, S., Cosmides, L., Gangi, C., Jackson, B., Tooby, J., & Costabile, K. (2009). [Evolution and episodic memory: An analysis and demonstration of a social function of episodic recollection](#). *Social Cognition*, 27(2), 283-319. doi: 10.1521/soco.2009.27.2.283
- Tooby, J. & Cosmides, L. (2009) [The great pivot: artificial intelligences, native intelligences, and the bridge between](#). *Edge Online*.
- Sell, A., Cosmides, L., Tooby, J., Sznycer, D., von Rueden, C., & Gurven, M. (2009). [Human adaptations for the visual assessment of strength and fighting ability from the body and face](#). *Proceedings of the Royal Society B (Biological Sciences)*, 276 (1656), 575-584. doi:10.1098/rspb.2008.1177
- Sell, A., Tooby, J. & Cosmides, L. (2009). [Formidability and the logic of human anger](#). *Proceedings of the National Academy of Sciences*, 106(35), 15073-15078. doi: 10.1073/pnas.0904312106
- Petersen, M. B., Sell, A., Tooby, J. & Cosmides, L. (2010). [Evolutionary psychology and criminal justice: A recalibrational theory of punishment and reconciliation](#). In Høgh-Olesen, Henrik (Ed.), *Human morality and sociality: Evolutionary and comparative perspectives*. (pp. 72-131) Palgrave Macmillan.
- Tooby, J. & Cosmides, L. (2010). [Groups in mind: Coalitional psychology and the roots of war and morality](#). In Høgh-Olesen, Henrik (Ed.), *Human morality and sociality: Evolutionary and comparative perspectives*. (pp.191-234) Palgrave Macmillan.
- Cosmides, L., Barrett, H. C., & Tooby, J. (2010). [Adaptive specializations, social exchange, and the evolution of human intelligence](#). *Proceedings of the National Academy of Sciences USA*, 107, 9007-9014. doi: 10.1073/pnas.0914623107
- (longer version republished in J. C. Avise & F. J. Ayala (Eds.), *In the light of evolution IV: The human condition*. (2010). National Academy of Sciences, pp. 293-318.)

- Barrett, H. C., Cosmides, L., & Tooby, J. (2010). [Coevolution of cooperation, causal cognition, and mindreading](#). *Communicative and Integrative Biology*, 3(6), 522-524. doi: 10.4161/cib.3.6.12604
- Sell, A., Bryant, G., Cosmides, L., Tooby, J., Sznycer, D., von Rueden, C., Krauss, A., & Gurven, M. (2010). [Adaptations in humans for assessing physical strength from the voice](#). *Proceedings of the Royal Society, Biological Sciences*, 277, 3509-3518. doi: 10.1098/rspb.2010.0769
- Delton, A., Krasnow, M., Tooby, J., Cosmides, L. (2010). [Evolution of Fairness: Rereading the Data](#). *Science*, 329 (5990), 389.
- Tooby, J. [Know thy sampling error!](#) *Edge Online*: Reality Club Discussion
- Sagarin, R., Alcorta, C., Atran, S., Blumstein, D. Dietl, G., Hochberg, M., Johnson, D., Levin, S., Madin, E., Madin, J., Prescott, E., Sosis, R., Taylor, T., Tooby, J., & Vermeij, G. (2010). Decentralize, adapt, and cooperate. *Nature* 465, 292–293 (20 May 2010) doi:10.1038/465292a
- Tooby, J. [Rivaling Gutenberg: Connected minds as metadata](#). *Edge Online*.
- Sznycer, D., Tooby, J. & Cosmides, L. (2011). [Evolutionary psychology](#). P.D. Hogan (Ed.) *The Cambridge Encyclopedia of the Language Sciences*. Cambridge: Cambridge University Press.
- Lim, J., Tooby, J. & Cosmides, L. (2011). [Adaptation](#). P.D. Hogan (Ed.) *The Cambridge Encyclopedia of the Language Sciences*. Cambridge: Cambridge University Press.
- Delton, A., Krasnow, M., Cosmides, L., & Tooby, J. (2011). [The evolution of direct reciprocity under uncertainty can explain human generosity in one-shot encounters](#). *Proceedings of the National Academy of Sciences*, 108(32), 13335-13340. doi: 10.1073/pnas.1102131108
- Tooby, J. (2011) [Nexus causality, moral warfare and misattribution arbitrage](#). In: *Edge Online*: Contribution to Edge Annual Question / What scientific concept would improve everyone's cognitive toolkit?
- Abbot, P. Alcock, J., Bshary, R., Burley, N., Chapuisat, M., Charnov, E., Clutton-Brock, T., Cosmides, L., Coyne, J., Dugatkin, L., Emlen, S., Grafen, Hill, K., Kacelnik, A., McElreath, R., Michod, R., Mock, D., Noë, R., Parker, G., Queller, D., Reeve, H., Sherman, P., Strassmann, B., Suarez, A., Tooby, J., West, S., West-Eberhard, M.J., Westneat, D., Wrangham, R., Zink, A. [& 107 others]. Inclusive fitness theory and eusociality. (2011) *Nature* 471, E1–E4. doi:10.1038/nature09831
- Delton, A. W., Krasnow, M. M., Cosmides, L. & Tooby, J. (2011). [Generosity evolves when cooperative decisions must be made under uncertainty](#). *Proceedings of the National Academy of Sciences of the United States of America*, 108, E972.
- Delton, A. W., Cosmides, L., Guemo, M., Robertson, T. E., & Tooby, J. (2012). [The psychosemantics of free riding: Dissecting the architecture of a moral concept](#). *Journal of Personality and Social Psychology*. 102, 1252-1270 doi: 10.1037/a0027026
- Tooby, J. [Falling into place: Entropy and the desperate ingenuity of life](#). *Edge Online*: Contribution to Edge Annual Question / What is your favorite deep, elegant, or beautiful explanation. www.Edge.org
- Petersen, M. B., Sznycer, D., Cosmides, L. & Tooby, J. (2012). [Who deserves help? Evolutionary psychology, social emotions, and public opinion about welfare](#). *Political Psychology*, 33 (3), 395-418. doi: 10.1111/j.1467-9221.2012.00883.x
- Petersen, M.B., Sell, A., Tooby, J. & Cosmides, L. (2012). [To punish or repair? Evolutionary psychology and lay intuitions about modern criminal justice](#). *Evolution & Human Behavior*, 33(6): 682-695.
- Sznycer, D., Takemura, K., Delton, A., Sato, K., Robertson, T., Cosmides, L., & Tooby, J. (2012). [Cross-cultural differences and similarities in proneness to shame: An adaptationist and ecological approach](#). *Evolutionary Psychology*, 10(2), 352-370
- Krasnow, M., Cosmides, L., Pedersen, E. & Tooby, J. (2012). [What are punishment and reputation for?](#) *PLOS One*, 7(9), e45662 (pp. 1-9).
- Tooby, J. [Genic selection and adaptationism: Are we moving forward or back?](#) *Edge Online*: Reality Club Essay

- Cosmides, L. & Tooby, J. (2013). [Evolutionary psychology: New perspectives on cognition and motivation](#). *Annual Review of Psychology*, 64, 201-229.
- Krasnow, M. M., *Delton, A. W., Cosmides, L., & Tooby, J. (2013). [Meeting now suggests we will meet again: Implications for debates on the evolution of cooperation](#). *Nature Scientific Reports*, 3, 1747, DOI:10.1038/srep1747.
- Tooby, J. (2013) [Unfriendly physics, monsters from the id, and self-organizing collective delusions](#). *Edge Online*: Contribution to Edge Annual Question: What should we be worried about?
- Petersen, M.B., Sznycer, D., Sell, A., Cosmides, L., & Tooby, J. (2013). [The ancestral logic of politics: Upper-body strength regulates men's assertion of self-interest over economic redistribution](#). *Psychological Science* (DOI: 10.1177/0956797612466415).
- Pietraszewski, D., Cosmides, L. & Tooby, J. (2014). [The content of our cooperation, not the color of our skin: Alliance detection regulates categorization by coalition and race, but not sex](#). *PLoS ONE* 9(2): e88534. doi:10.1371/journal.pone.0088534
- Sell, A., Cosmides, L., & Tooby, J. (2014). [The human anger face evolved to enhance cues of strength](#). *Evolution & Human Behavior*. 35(5), 425-429.
- Tooby, J. (2014) [Learning and culture: Scientific ideas ripe for retirement](#). *Edge Online*: Contribution to Edge Annual Question: What scientific ideas are ready for retirement.
- Robertson, T. E., Delton, A. W., Klein, S. B., Cosmides, L., Tooby, J. (2014). [Keeping the benefits of group cooperation: Domain-specific responses to distinct causes of social exclusion](#). *Evolution & Human Behavior*. 35(6), 472-480.
- Krasnow, M., Delton, A., Cosmides, L., & Tooby, J. (2015). Group cooperation without group selection: Modest punishment can recruit much cooperation. *PLoS ONE*, 10(4): e0124561
- Sznycer, D., Schniter, E., Tooby, J. & Cosmides, L. (2015). [Regulatory adaptations for delivering information: The case of confession](#). *Evolution & Human Behavior*, 36(1), 44-51.
- Tooby, J. (2015) [The iron law of intelligence](#). *Edge Online*: Contribution to Edge Annual Question: What do you think about machines that think.
- Tooby, J. (2015) [A message from Paris: Cooperative rationality, predatory rationality, and subordinate rationality](#). *Edge Online*.
- Pietraszewski, D., Curry, O., Peterson, M. B., Cosmides, L. & Tooby, J. (2015). [Politics and race as coalitional categories: Cross-cutting party affiliation reduces categorization by race, but not gender or age](#). *Cognition*, 140, 24-39.
- Tooby, J. & Cosmides, L. (2016). The theoretical foundations of evolutionary psychology. In Buss, D. M. (Ed.), *The Handbook of Evolutionary Psychology, Second edition. Volume 1: Foundations*. (pp. 3-87). Hoboken, NJ: John Wiley & Sons.
- Cosmides, L. & Tooby, J. (2016). Adaptations for reasoning about social exchange. In Buss, D. M. (Ed.), *The Handbook of Evolutionary Psychology, Second edition. Volume 2: Integrations*. (pp. 625-668). Hoboken, NJ: John Wiley & Sons.
- Krasnow, M., Delton, A., Cosmides, L., & Tooby, J. (2016). [Looking under the hood of third-party punishment reveals design for personal benefit](#). *Psychological Science*, 27(2), 1-14. doi: 10.1177/0956797615624469
- Sznycer, D., Tooby, J., Cosmides, L., Porat, R., Shalvi, S., & Halperin, E. (2016, Early Edition). [Shame closely tracks the threat of devaluation by others, even across cultures](#). *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1514699113
- Tooby, J. (2016) [The race between genetic meltdown and germline engineering](#). *Edge Online*: Contribution to Edge Annual Question: What do you consider the most interesting recent scientific news? What makes it important?

Krasnow, M.M., Delton, A.W., Cosmides, L. & Tooby, J. (2016). [Looking under the hood of third-party punishment reveals design for personal benefit](#). *Psychological Science*, 27(2), 1-14. doi: 10.1177/0956797615624469

Tooby, J. & Cosmides, L. (2016). [Human cooperation shows the distinctive signatures of adaptations to small-scale social life](#). [Peer commentary on "Cultural group selection plays an essential role in explaining human cooperation: A sketch of the evidence" by P. Richerson et al.]. *Behavioral and Brain Sciences*, 39. doi:10.1017/S0140525X15000266

Sznycer, D., Al-Shawaf, L., Bereby-Meyer, Y., Curry, O. S., De Smet, D., Ermer, E., Kim, S., Kim, S., Li, N. P., Lopez Seal, M. F., McClung, J., O, J., Ohtsubo, Y., Quillien, T., Schaub, M., Sell, A., van Leeuwen, F., Cosmides, L., Tooby, J. (In press, 2017). Cross-cultural regularities in the cognitive architecture of pride. *Proceedings of the National Academy of Sciences*.

Fiddick, L., Brase, G., Cosmides, L., & Tooby, J. (in press, 2017). Rethinking relevance: Repetition priming reveals the psychological reality of adaptive specializations for reasoning. *Evolution and Human Behavior*.

Books in Preparation

Tooby, J. & Cosmides, L. (book in prep.) *The Great Awakening: Discovering the human operating system*.

Tooby, J. (book in prep.) *Darwinizing Mendel: the evolution of sex and its sequelae*.

Selected Plenary, Public, Keynote & Invited Addresses

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

Evolution and the Human Sciences (London School of Economics). Plenary address: The evolutionary psychology of incest avoidance. London, June 25, 1993.

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

Salk McDonnell-Pew Cognitive Neuroscience Meetings, Southern California. Plenary address (with Cosmides): The cognitive neuroscience of social reasoning. Rancho Santa Fe, CA, May 28, 1994.

Introduction to the *Human Quest*, 1995 Television Critics Association Meetings, Huntington Hotel, Pasadena, January 1995 (with Cosmides)

Harvard University Economics Department, Political Economy Lecture Series, Address: Evolutionary psychology: making economics a natural science. Cambridge, Mass. February 14, 1995 (with Cosmides)

Conference on Evolutionary Psychology and Epistemology, Address: Beyond truth and reference: Ecological rationality and evolutionary psychology. Rutgers University, March 18, 1995 (Tooby)

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

Southwestern Anthropology Association, Plenary Address, April 13, 1996. The biological construction of social construction.

Welcome Trust / Welcome Centre for Medical Science Open Meeting, November 1, 1996, The evolution of friendship, love, and deep engagement: beyond kin selection and reciprocation.

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

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 Millenium). Keynote address (with Cosmides) via DSL: “Evolutionary psychology: A new model for the social sciences”.

Conference on Innateness and the Structure of the Mind: Reflections on Innateness. Rutgers University, October 17-19, 2003. Invited address: Adaptive targets, functional granularity, and the evolutionary logic of neural development: on reconciling natural selection, plasticity, entropy, and functional specificity in neurocomputational systems.

The Structure of the Innate Mind Conference, University of Sheffield, England, 3rd–6th July 2002, Address: Motivation and the Debate on Representational and Nonrepresentational Innateness

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

Society for Personality and Social Psychology Preconference on Evolutionary Psychology. Palm Springs, CA, January 25, 2006. Invited address: The agony and the ecstasy: Recalibration, scaling, and trade-offs in the evolution of motivation.
(Tooby)

The nature of human cooperation. University of Lausanne, Switzerland, March 9-10, 2006. Invited address: The evolved motivational architecture of kinship and cooperation in humans. (Tooby)

Hendricks Conference on Political Behavior, University of Nebraska, Lincoln, NE, Sept. 13, 2006. Keynote address: Evolutionizing political science: The role of outrages in the evolutionary psychology of groups and intergroup conflict. (Tooby)

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 (Cosmides & Tooby). Tokyo, Japan. September 9, 2006.

Human Mind, Human Kind: Interdisciplinary Conference on Human Characteristics, University of Aarhus, Aarhus, Denmark, August 16, 2007, Keynote address: Groups in mind: the coalitional roots of morality and outrage (Tooby & Cosmides).

Templeton Human Nature Fellowship Lecture, ASU Fellowship Public address, Arizona State University, Tempe, AZ., April 17, 2007. Who are we?: how to reconcile a universal human nature with the genetic uniqueness of the individual. (Tooby)

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

Celebrating 200 Years of Darwin. Rutgers University, Dept. of Psychology and Undergraduate Education Program, New Brunswick, New Jersey. Darwin address: Evolutionary psychology and Darwin’s dream (Cosmides and 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: The Evolutionary Approach to the Social Sciences (Tooby & Cosmides), Sept. 9, 2009
- Zurich-Minds*. Zurich, Switzerland (Sept 16, 2010). Evolutionary psychology and human nature (with Cosmides)
- 5th Tinbergen Institute Conference*. The nature of preferences and decision-making. Amsterdam, Netherlands (Sept 24-25, 2010). Welfare tradeoff ratios: the evolved architecture underlying other-regarding preferences. (Tooby & Cosmides)
- IFREE lecture at the Economic Science Institute (ESI)*, Orange, CA (February 24, 2012) The welfare tradeoff architecture, cooperation, and social emotions (Tooby
- University of California, Santa Barbara*, Faculty Research Award Lecture. Santa Barbara, CA (November 28, 2012). Invited public address for UCSB's "highest award": Climbing down inside the human operating system: Exploring the evolved programs that run our species. (Cosmides & Tooby)
- Conference on Evolution and the Human Sciences, San Cristobal, Galapagos Islands*, Universidad San Francisco de Quito & Mont Pelerin Society, Ecuador (June 25, 2013), Plenary Address: The moral animal (Tooby & Cosmides)
- Human Behavior & Evolution Society, 25th Annual Meeting*. Miami, FL (July 20, 2013). Keynote Address: Evolutionary Psychology: Back to the Future. (Tooby & Cosmides)

Selected Conference Papers, Workshops and Addresses

- First International Conference on Sociobiology and Primatology*. Harvard, November 1983. Paper presented: The hidden anomaly of aposematism and levels of selection.
- Man and Beast Revisited*. Smithsonian Institution, May 1986. Paper presented: Man, beast and mind: Evolutionary psychology and the maturation of the biological sciences.
- Evolved Constraints on Cultural Evolution*. UCLA, May 1986. Paper presented: Evolutionary psychology and the generation of culture, Part I. Theoretical considerations.
- Evolution and Human Behavior Meetings*, Ann Arbor, Michigan. April 1988. Paper presented (with Leda Cosmides): The evolution of war and its cognitive foundations.
- Evolution and Human Behavior Meetings*, Ann Arbor, Michigan. April 1988. Paper presented (with Leda Cosmides): Evolution and Cognition: Has natural selection shaped how humans reason about social exchange?
- Eighteenth Annual Meeting of the Jean Piaget Society*, Philadelphia. June 1988. Paper presented (with Leda Cosmides): "Domain general or domain specific? An evolutionary approach to cognitive psychology."
- XXIVth International Congress of Psychology*, Sydney, Australia. August 1988. Symposium topic: Has animal behavior got anything to do with human behavior? Paper presented (with Leda Cosmides): Adaptation versus Phylogeny: The role of animal psychology in the study of human behavior.
- Evolutionary Psychology and Psychiatry Conference*. Ann Arbor, Michigan, October 1988. Co-chaired session on Cognitive Psychology and Artificial Intelligence. Papers presented: 1) "Why adaptations are usually species-typical", and 2) (with Leda Cosmides) "From adaptation to mechanism: The role of computational theories."
- MIT Center for Cognitive Science Colloquium Series*. Can non-universal mental organs evolve? Constraints from genetics, adaptation, and the evolution of sex.

Colloquium, Department of Psychology, Stanford. Evolution and cognition: Adaptation to the physical and social world. January, 1989.

Grand Rounds, Stanford Medical School. Cognitive adaptations and the organization of the mind. Fall, 1989.

American Psychological Association. New Orleans, LA, August 1989. Symposium: Evolutionary Psychology: New Directions. Paper presented: Method in evolutionary psychology.

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

Center for Advanced Study in the Behavioral Sciences, January 1989. Reconciling human universality with the uniqueness of the individual.

Animal Behavior Society. Binghamton, NY, June 1990. Symposium: Theoretical and empirical studies of cooperative behavior. Paper presented (with Cosmides): Human cognitive specializations and reciprocity.

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

Conference on cultural knowledge and domain specificity. Ann Arbor, MI, October 1990. Paper presented (with Leda Cosmides): Origins of domain specificity: The evolution of functional organization.

Evolution and Human Behavior Colloquium, Ann Arbor, Michigan. October, 1990 1988. Paper presented (with Leda Cosmides): The impact of combinatorial explosion on evolved mechanism specificity.

Biological foundations of culture. Zentrum fur interdisziplinare Forschung, Universitat Bielefeld, Germany, November 1990. Paper presented (delivered by Leda Cosmides): Normative logics versus adaptive logics.

American Association for the Advancement of Science. Washington, D.C., February 1991. Symposium: Evolution of cognitive functions in ecological-cultural context. Paper presented: The logic of threat: Evidence for a cognitive adaptation for reasoning about threat.

Colloquium, Psychology Department, UCSB, March, 1991. On the universality of psychological adaptations.

Society for Philosophy and Psychology, San Francisco, August, 1991 Ecological rationality: the fit between reasoning specializations and the ecological structure of ancestral environments.

Opening Conference, Biological foundations of culture. Zentrum fur interdisziplinare Forschung, Universitat Bielefeld, Germany, October 1991. Paper presented: Two peoples separated by a common language: Misunderstandings between biologists and social scientists.

Fellows' Colloquium, Biological foundations of culture. Zentrum fur interdisziplinare Forschung, Universitat Bielefeld, Germany, November 1991. Paper presented: Psychological adaptations and the generation of cultural representations.

Social Intelligence seminar, Biological foundations of culture. Zentrum fur interdisziplinare Forschung, Universitat Bielefeld, Germany, October 1991. Paper presented: Task analyses for primate social cognition. (with Cosmides)

Social Intelligence seminar, Biological foundations of culture. Zentrum fur interdisziplinare Forschung, Universitat Bielefeld, Germany, November 1991. Paper presented: Emotion and cognition in evolutionary perspective.

Cognitive Neuroscience Institute, Ninth Annual Meeting Napa, June 1992. Paper presented: Genetic and adaptationist constraints on neuroanatomical adaptations.

Human Behavior and Evolution Society. University of New Mexico; July, 1992; Paper presented: Statistical reasoning in a multimodular mind, Part 1. An evolutionary approach to the study of judgment under uncertainty.

Human Behavior and Evolution Society. University of New Mexico; July, 1992; Paper presented: Statistical inference in a multimodular mind, Part 2. Experimental evidence.

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

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

James S. McDonnell Cognitive Neuroscience Conference and Institute. Olympic Valley, CA, July 1993. Paper presented: Constraints of the genetics of neural adaptations and domain-specific reasoning systems.

Human Behavior and Evolution Society. Binghamton, NY, August, 1993. Paper presented: What can you think about in a frequentist way? (Brase, Cosmides & Tooby)

Human Behavior and Evolution Society. Binghamton, NY, August, 1993. Paper presented: Genetics and the distribution of complex adaptations: some recent misunderstandings

Human Behavior and Evolution Society. Binghamton, NY, August, 1993. Paper presented: Psychological adaptations in women for assessing a man's willingness to invest in offspring (LaCera, Cosmides & Tooby).

Human Behavior and Evolution Society. Binghamton, NY, August, 1993. Evolution and culture workshop, panelist.

American Economic Association. Boston, MA, January 1994. Symposium organizer: Douglass North: Paper presented: Better than rational: evolutionary psychology and the invisible hand (with Cosmides).

Colloquium, Department of Anthropology, University of California, Davis, May 1994. Paper presented (with Leda Cosmides): Combinatorial explosion as a selection pressure on hominid cognitive evolution.

Human Behavior and Evolution Society. Ann Arbor, MI June, 1994. Universal Darwinism and the perennially elusive cancer cure (with Cosmides).

Human Behavior and Evolution Society. Ann Arbor, MI June, 1994. Prime time for Darwin: Converging lines of evidence for domain-specific modules (with Fiddick and Cosmides).

James S. McDonnell Cognitive Neuroscience Summer Institute, UC Davis, July 1994. How developmental adaptations impose functional organization on human neural organization.

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

Second International Conference on Sociobiology and Primatology. Harvard University, Cambridge, MA October 1994. The evolutionary genetics of complex adaptations.

Department of Economics Institutional Analysis Workshop, UC Berkeley, October 1994. Better than rational: economics as a natural science, and Are humans good intuitive statisticians? (with Leda Cosmides)

Center for Neuroscience Conference on Evolution, Memory, and Consciousness, (Organizer: Endel Tulving), UC Davis, March 16, 1995. Mind, memory, and adaptive function. (with Leda Cosmides)

The Human Quest Symposium, J. Paul Getty Museum, Malibu. March 24, 1995 (with Leda Cosmides).

Royal Society / British Academy Meeting, Evolution of Social Behaviour Patterns in Primates and Man, London, April 1995. (Organizer: John Maynard Smith) Paper presented: Evolutionary psychology, reasoning instincts, and culture. (Cosmides presenter)

Science, Technology and Culture Studies Lecture Series, UCSB Interdisciplinary Humanities Center, May 5, 1995. Paper presented: The Biological Construction of Cultural Construction

Human Behavior and Evolution Society. UCSB June, 1995. The evolution of memory, modularity, and information integrity (with Cosmides)

Human Behavior and Evolution Society. UCSB June, 1995. Are there really separate reasoning mechanisms for social contracts and precautions?: An experimental study (L. Fiddick, L. Cosmides & J. Tooby)

Human Behavior and Evolution Society. UCSB June, 1995. Testing for universality: Reasoning adaptations among the Achuar of Amazonia (Larry Sugiyama, John Tooby, and Leda Cosmides)

Human Behavior and Evolution Society. UCSB June, 1995. Detecting coalitions: An experimental study (R. Kurzban, J. Tooby, & L. Cosmides)

Human Behavior and Evolution Society. UCSB June, 1995. Episodic memory, theory of mind, and their breakdown. (with Cosmides)

Interdisciplinary Human Development Program Lecture Series. UCSB, October 30, 1995. Development as adaptive self-assembly.

Department of Economics Colloquium Series Workshop on Applied Economics, University of Arizona (Vernon Smith, host). December 11, 1995. Evolutionary psychology: making economics a natural science (with Leda Cosmides)

McDonnell-Pugh Conference on Cognitive Neuroscience. Rancho Valenchia, California January 14, 1996. Emerging methods in cognitive neuroscience.

Colloquium, Department of Anthropology, University of California, San Diego, February 12, 1996. The biological construction of social construction.

Colloquium, Stanford University Economics Department / Hoover Institution, February 13, 1996. Ecological rationality: The evolutionary psychology of economic decision-making.

Cognitive Science Society, San Diego, CA, July, 1996. Paper presented (with Cosmides): Ecological rationality in a multimodular mind.

Human Behavior and Evolution Society. Northwestern, Evanston, IL. June, 1996. Selective impairment of cheater detection: Neurological evidence for adaptive specialization (Stone, V., Cosmides, L. & Tooby, J.);

Human Behavior and Evolution Society. Northwestern, Evanston, IL. June, 1996. Retrieval cues in social categorization: Content and context effects (Kurzban, R., Tooby, J., & Cosmides, L.);

Human Behavior and Evolution Society. Northwestern, Evanston, IL. June, 1996. Adaptive sex differences in reasoning about self defense. (Rutherford, M., Cosmides, L. & Tooby, J.);

Human Behavior and Evolution Society. Northwestern, Evanston, IL. June, 1996. By accident or by design?: (Fiddick, L. Tooby, J. & Cosmides, L.);

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

- X Annual Cognitive Science Symposium*, Simon Fraser University, Vancouver, Canada. Symposium topic: *Metarepresentations*. Paper presented (with L. Cosmides): Consider the source: the evolution of cognitive adaptations for metarepresentation.
- Ciba Foundation*, London, England. Symposium #208: *Characterizing human psychological adaptations*. Paper presented (with Cosmides): Dissecting the computational architecture of social inference mechanisms. October, 1996
- Ciba Foundation*, London, England. Symposium #208: *Characterizing human psychological adaptations*. Paper presented (with Cosmides): Groups in mind: The evolution of cognitive adaptations for coalitions and status. October, 1996
- Cambridge University, Dept. of Biological Anthropology*, October 25, 1996. Risk and engagement models for the evolution of adaptations for altruism.
- American Anthropological Association Meetings*, November 23, 1996, Symposium on "Evolutionary Biology And Human Social Behavior" Twenty Years Later: Talk: Evolutionary psychology and the biological construction of social construction.
- British Psychological Society. Edinburgh, Scotland, April 4, 1997. Symposium on Evolutionary cognitive neuroscience: The logic of threat. (with Cosmides)
- Colloquium, Department of Biology (EEMB)*, University of California, Santa Barbara, May, 1997. Are there evolved computational specializations for reciprocal altruism? Cognitive, cross-cultural, and neuroscience tests. (with Cosmides)
- Human Behavior and Evolution Society*. University of Arizona, Tucson, June, 1997. Beyond kin selection and reciprocity: Other selection pressures for adaptations for altruism.
- Human Behavior and Evolution Society*. University of Arizona, Tucson, June, 1997. The computationalist theory of communication. (with Cosmides).
- Human Behavior and Evolution Society*. University of Arizona, Tucson, June, 1997. Cooperation and punishment in groups. (with Rutherford, M., Kurzban, R., & Cosmides, L.)
- Institute for Theoretical Physics*. University of California, Santa Barbara, May 20, 1998. Has natural selection shaped how humans reason? (with Cosmides).
- Human Behavior and Evolution Society*, Davis, CA, July, 1998. The evolution of cognitive adaptations for metarepresentation, Part I (with Cosmides)
- Human Behavior and Evolution Society*, Davis, CA, July, 1998. The evolution of cognitive adaptations for metarepresentation, Part II (with Cosmides).
- McDonnell-Pew Summer Institute for Cognitive Neuroscience*. Squaw Creek, CA, July 1998. The cognitive neuroscience of social reasoning. (with Cosmides)
- McDonnell-Pew Summer Institute for Cognitive Neuroscience, Squaw Creek, CA, July 1998. Strategies for mapping the evolved computational architecture of the human brain. (with Cosmides)
- 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 Cosmides).
- 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 Cosmides; delivered by Lieberman).
- Working Group on Evolution and Rationality*. Santa Barbara, CA, January 15-17, 1999 (Organizer: Stephen Stich). Ecological rationality and the multimodular mind (with Cosmides).
- Close relationships interest group (CRIG)*. Dept of Psychology, UCLA, March 12, 1999. The evolution of friendship and the Banker's Paradox. (with Cosmides)

Human Behavior and Evolution Society, Salt Lake City, UT, June 2-6, 1999. Character counts: Cheater detection is relaxed for honest individuals (with Cosmides, Montaldi, & Thrall).

Human Behavior and Evolution Society, Salt Lake City, UT, June 2-6, 1999. Art, imagination, and the adapted mind: Toward a theory of aesthetics (with Cosmides).

Imagination and the Adapted Mind: The Prehistory and Future of Poetry, Fiction, and Related Arts. UCSB, August 24-29, 1999. Can beauty build adapted minds? The evolution of organizational adaptations.

Human Behavior and Evolution Society, Amherst, MA, June 7-11, 2000. Social exchange: Converging evidence for special design (with Cosmides).

Human Behavior and Evolution Society, Amherst, MA, June 7-11, 2000. Resolving the debate on innate ideas (with Cosmides).

Human Behavior and Evolution Society, Amherst, MA, June 7-11, 2000. In search of cues governing kin recognition and incest avoidance (with Lieberman & Cosmides).

Knowledge, Social Change, and Economic Performance. February 2001 (Stanford University, CA). Organized by Douglass North (Nobel laureate in Economics), the Mercatus Center (Arlington, VA), and the Stanford KNEXUS project.

Colloquium, Dept. of Anthropology, University of Oregon, May 21, 2001. The end of the blank slate: To be an expert on culture requires being an expert on the evolved content-inflected programs of the human brain.

Human Behavior and Evolution Society, University College London, London, UK, June 13-17, 2001. Decisions and the evolution of multiple memory systems: Using personality judgments to test the scope hypothesis (with Klein, Cosmides, & Chance).

Human Behavior and Evolution Society, University College London, London, UK, June 13-17, 2001. Why attribute personalities to persons? The regulation of social reasoning by information about behavior in evolutionary games (with Cosmides & Sell).

Human Behavior and Evolution Society, University College London, London, UK, June 13-17, 2001. Does it pay to interfere? An investigation of whether individuals are sensitive to the different costs associated with inbreeding within the family (with Lieberman & Cosmides).

Conference on the Structure of the Innate Mind, Mt. Washington Conference Center, Baltimore, March 8-10, 2002. Three cases: A demonstration that some ideas must necessarily be innate.

Human Behavior and Evolution Society, Rutgers University, New Jersey, June 19-23, 2002. Are there cognitive adaptations for learning about one's own personality: Neuropsychological evidence for specialized learning, storage, and retrieval systems. (with Klein & Cosmides).

Human Behavior and Evolution Society, Rutgers University, New Jersey, June 19-23, 2002. The evolution of collective action: An adaptationist dissection. (with Cosmides).

90th Dahlem Conference on Genetic and Cultural Evolution of Cooperation. Berlin, Germany, June 23-28, 2002. working groups on (1) The Role of Cognition and Emotion in Cooperation; (2) Markets and Exploitation in Mutualism and Symbiosis; (3) Genomic and Intercellular Cooperation: Distribution of Power and Division of Labor (4) Cooperation in Human Societies.

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 Cosmides and Kurzban)

Human Behavior and Evolution Society. University of Nebraska, Lincoln, June, 2003. Elements of a Darwinian theory of Lamarckian inheritance. (with Cosmides)

Human Behavior and Evolution Society. University of Nebraska, Lincoln, June, 2003. Survival and reproduction in the evolutionary behavioral sciences.

Human Behavior and Evolution Society. University of Nebraska, Lincoln, June, 2003. The asymmetric war of attrition and human anger. with Cosmides & Sell)

2003 James S. McDonnell Foundation Summer Institute in Cognitive Neuroscience. Lake Tahoe, CA, July 11, 2003. Social exchange reasoning: The Evolutionary Design of a Neurocomputational System. (with Cosmides)

Anthropology Department, Rutgers University, October 14th, 2003. Evolved alliance detection and coalitions as *n*-party exchange.

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

Human Behavior and Evolution Society. Berlin, July 21st-24th, 2004. *Out-group exclusion or cheater detection? When two problems coexist T. (with Hiraishi & Cosmides)*

National Institutes of Health, Bethesda. NIH Pioneer Award proposal presentation. August 30, 2004. Two challenges for 21st century biology: Mapping the evolved neurocomputational architecture of motivation, and unpacking the evolutionary logic of neural development. (with Cosmides)
Proposal unsuccessful first year, but successful next year.

Conference on Darwinian security: Ecological and evolutionary models, National Center for Ecological Analysis and Synthesis, January 28-30, 2005. Conflict, predation, parasitism, and coalitions in the history of life.

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

Third International Conference on Sociobiology and Primatology. Harvard University, April 15-16, 2005. The computational architecture of human kin detection: Evidence for new cues and computational elements. (with Cosmides)

Third International Conference on Sociobiology and Primatology. Harvard University, April 15-16, 2005. Is “race” a byproduct of coalitional alliance detection? (with Cosmides)

Human Behavior and Evolution Society, University of Texas, Austin, TX, June 1-5, 2005. Character counts: Character information regulates trust in economic games (with Krasnow & Cosmides).

Human Behavior and Evolution Society, University of Texas, Austin, TX, June 1-5, 2005. Are computational adaptations for reasoning about social exchange and precautions neurally as well as functionally distinct? An fMRI study (with Ermer, Cosmides, Guerin, & Miller).

Human Behavior and Evolution Society, University of Texas, Austin, TX, June 1-5, 2005. Physical strength predicts entitlement, anger, and attitudes toward aggression in men. (with Sell & Cosmides).

Human Behavior and Evolution Society, University of Texas, Austin, TX, June 1-5, 2005. The contributions of Napoleon Chagnon to our understanding of human nature.

UCLA International Institute, Global Fellows Program, June 9, 2005. The evolved computational specializations underlying coalition and race: models and evidence.

Ecological and evolutionary models for Homeland Security, National Center for Ecological Analysis and Synthesis, June 15-19, 2005. The evolutionary psychology of terrorism.

Ecological and evolutionary models for security, National Center for Ecological Analysis and Synthesis, December 9-12, 2005. Long-term adaptive strategies for prevailing in antagonistic coevolution.

Conference on Models of Cultural Transmission, Luce Program in Individual and Collective Memory, Washington University at St. Louis, January 15-17, 2006.

UCLA-UCSB Evolution, Mind and Behavior Conference, UCSB, Santa Barbara, CA, February 4, 2006. The neurocomputational architecture of kin detection in humans. (with Lieberman & Cosmides)

Foundation for the Future: The evolution of the human brain. Bellevue, Washington, March 19-20, 2006. Evolved neurocognitive programs as the foundations of cultural and social phenomena.

- Human Behavior and Evolution Society*, University of Pennsylvania, Philadelphia, PA, June 7-11, 2006. The role of “outrages” in the evolved psychology of intergroup conflict. (with Cosmides & Thrall)
- Human Behavior and Evolution Society*, University of Pennsylvania, Philadelphia, PA, June 7-11, 2006. Anger expressions dissected: Why does his face look like that? (with Sell & Cosmides).
- Human Behavior and Evolution Society*, University of Pennsylvania, Philadelphia, PA, June 7-11, 2006. Free riders and incompetents: Psychologically distinct categories. (with Delton, Robertson, & Cosmides).
- Human Behavior and Evolution Society*, University of Pennsylvania, Philadelphia, PA, June 7-11, 2006. ‘Erasing race’ with cooperation: Tracking down the dynamics of social alliance representations. (with Pietraszewski & Cosmides).
- Human Behavior and Evolution Society*, University of Pennsylvania, Philadelphia, PA, June 7-11, 2006. Fractionating the visual architecture for natural category recognition using the ‘attentional blink’ paradigm. (with New & Cosmides).
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- Hendricks Conference on Political Behavior*, University of Nebraska, Lincoln, NE, Sept. 14, 2006. New directions in the study of politics. (& workshop panel).
- Templeton Fellowship Lecture, Conference on Human Nature, Humanism, and Transhumanism*, Arizona State University, Tempe, AZ, April 16, 2007. The once and future Homo sapiens sapiens: Did we become transhuman once our evolved developmental programs interacted with unanticipated new environments?
- Templeton Fellowship Lecture, Mathematical Cognition Colloquium*, Arizona State University, Tempe, AZ, April 17, 2007, A cue-theoretic approach to kin detection and reciprocity: A computational and evolutionary-functional approach to the architectures of motivational mechanisms.
- Templeton Fellowship Lecture, Colloquium, Anthropology Department*, Arizona State University, Tempe, AZ, April 18, 2007, Mapping universal human nature: A mission for a unified 21st century anthropology.
- Templeton Fellowship Lecture, Colloquium, Psychology Department*, Arizona State University, Tempe, AZ, April 19, 2007, “Outrages” as a social psychological engine of history.
- Templeton Fellowship Lecture, English Department*, Arizona State University, Tempe, AZ, April 20, 2007, Adaptations for representational decoupling: Does beauty build adapted minds?
- Plenary, 3UC Conference (joint UC Davis, UCLA, UCSB at San Luis Obispo)*, May 6, 2007, The environment of evolutionary adaptedness.
- Human Behavior and Evolution Society*, College of William & Mary, Williamsburg, VA, May 30-June 3, 2007, Do humans have an evolved “Theory of Group Mind”? (Tooby & Cosmides)
- Human Behavior and Evolution Society*, College of William & Mary, Williamsburg, VA, May 30-June 3, 2007, Recalibrational emotions and welfare trade-off ratios: Cooperation in anger, guilt, gratitude, pride and shame (Sznycer, Gibson Price, Tooby, Cosmides).
- Human Behavior and Evolution Society*, College of William & Mary, Williamsburg, VA, May 30-June 3, 2007, Is “Accent” a dedicated dimension of agent representation? (Pietraszewski, Schwartz, Cosmides, Tooby).
- Human Behavior and Evolution Society*, College of William & Mary, Williamsburg, VA, May 30-June 3, 2007, Violent Yells Dissected: Physical Strength is Revealed in the Voice and Enhanced during Anger (Sell, Tooby, Cosmides).
- Human Behavior and Evolution Society*, College of William & Mary, Williamsburg, VA, May 30-June 3, 2007, Regulation of Resource Division by Coalitional Status (Ermer, Cosmides, Tooby).
- Human Behavior and Evolution Society*, College of William & Mary, Williamsburg, VA, May 30-June 3, 2007, Welfare Tradeoff Ratios and Social Support (Poster) (Sznycer, Gibson Price, Tooby, Cosmides).

Human Mind, Human Kind: Interdisciplinary Conference on Human Characteristics, University of Aarhus, Aarhus, Denmark, August 18, 2007, Evolutionary psychology and criminal justice: a recalibrational theory of punishment and reconciliation (Petersen, Tooby, Cosmides)

Human Mind, Human Kind: Interdisciplinary Conference on Human Characteristics, University of Aarhus, Aarhus, Denmark, August 16, 2007, Cognitive adaptations for social exchange (Cosmides & Tooby)

California Association of Marriage and Family Therapists, November 14, 2007, Family-directed altruism and incest avoidance.

University of Hokkaido / UCSB Joint Conference on the Evolution of Mind and Society, University of California, Santa Barbara, February 23, 2008, Towards constructing a computational and adaptationist approach to human motivation: the case of kin detection, family-directed altruism, and incest avoidance (Tooby & Cosmides)

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

Symposium on Evolutionary and Neuroscientific approaches to the Sources of Conflict, International Studies Association Annual Meeting, San Francisco, CA, March 28, 2008, An evolutionary perspective on outrages as a cause of war.

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

Trilience Forum, Cal Tech, April 8, 2008, Internal regulatory variables and the computational architecture of human motivation. (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 (Tooby & Cosmides).

Human Behavior and Evolution Society, Kyoto University, Kyoto Japan, June 4-8, 2008, Evolutionizing the study of conceptual knowledge (Krasnow, Truxaw, Cosmides, Tooby)

Human Behavior and Evolution Society, Kyoto University, Kyoto Japan, June 4-8, 2008, Adaptations for computing personality traits: co-evolved functions of episodic recall and summary representations (Cosmides, Klein, Tooby)

Human Behavior and Evolution Society, Kyoto University, Kyoto Japan, June 4-8, 2008, The welfare tradeoff system as an adaptation for integrated allocational decision-making (Tooby, Cosmides, Sell, Delton, Sznycer, Lim, Robertson)

Human Behavior and Evolution Society, Kyoto University, Kyoto Japan, June 4-8, 2008, An evolved internal regulatory variable for making welfare tradeoffs (Delton, Robertson, Sznycer, Lim, Cosmides, Tooby)

Human Behavior and Evolution Society, Kyoto University, Kyoto Japan, June 4-8, 2008, Emotions and the recalibration of welfare tradeoff ratios: gratitude as a case study (Lim, Sznycer, Delton, Robertson, Cosmides, Tooby)

Human Behavior and Evolution Society, Kyoto University, Kyoto Japan, June 4-8, 2008, Humans accurately estimate others' welfare tradeoff ratios (Sznycer, Lim, Delton, Robertson, Tooby, Cosmides)

Darwinian Approaches To War: An Interdisciplinary Conference, University of Oregon, Eugene, October 17, 2008, The evolved cognitive basis of coalitions and war (Tooby & Cosmides)

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. Can race be erased? Evolutionary psychology and coalitional alliances (Cosmides & 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. Outrage and coalitional psychology (Cosmides & Tooby).

Rutgers University Center for Cognitive Science Colloquium, Rutgers University (Busch Campus), New Brunswick, NJ. February 9, 2009. Darwin address: Evolutionary psychology and Darwin's dream (Cosmides & Tooby).

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 (Cosmides & Tooby).

Sage Conference on Endogenous Sources of Political Behavior, University of California, Santa Barbara, February 26, 2009, How coordinative selection builds species-typical design within a shifting matrix of transient and stable genetic variation.

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

Human Behavior & Evolution Society, California State University, Fullerton, CA, May 27-31, 2009, Regularities of the ancestral world exploitable for cooperation: Why I always remember a face (Krasnow, Delton, Tooby, Cosmides).

Human Behavior & Evolution Society, California State University, Fullerton, CA, May 27-31, 2009, Combining ancestral cue structure with direct reciprocity explains one-shot cooperation. (Delton, Krasnow, Tooby, Cosmides).

Human Behavior & Evolution Society, California State University, Fullerton, CA, May 27-31, 2009, The role of welfare tradeoff ratios in reciprocity (Lim, Sznycer, Delton, Robertson, Tooby, Cosmides).

Human Behavior & Evolution Society, California State University, Fullerton, CA, May 27-31, 2009, Jealousy and the threat of being replaced: Friendship and the banker's paradox (Burkett, Cosmides, Tooby).

Human Behavior & Evolution Society, California State University, Fullerton, CA, May 27-31, 2009, Mapping the "grammar" of anger-based arguments (Sell, Cosmides, Tooby).

Human Behavior & Evolution Society, California State University, Fullerton, CA, May 27-31, 2009, The regulatory theory of shame (Sznycer, Tooby, Cosmides).

In the Light of Evolution IV: The Human Condition, National Academy of Sciences (Arthur M. Sackler Colloquium), Irvine, CA, 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).

Human Behavior & Evolution Society, University of Oregon, Eugene, OR, June 16-20, 2010, Follow the Leader: Endorsement as a cue of political coalition (Curry, Petersen, Tooby, Cosmides).

Human Behavior & Evolution Society, University of Oregon, Eugene, OR, June 16-20, 2010, Your life or mine? Reported welfare tradeoff ratios when the currency is survival (Kim, Tooby, Cosmides).

Human Behavior & Evolution Society, University of Oregon, Eugene, OR, June 16-20, 2010, What are punishment and reputation for? Critical tests. (Krasnow, Pedersen, Tooby, Cosmides).

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

X-raying the soul: Cheater detection is designed to look for guilty minds (Cosmides, Barrett, Tooby).
Human Behavior & Evolution Society, University of Oregon, Eugene, OR, June 16-20, 2010,
 Moral warfare: Group cooperation and the invention of the moral domain. (Tooby, Cosmides).
Human Behavior & Evolution Society, University of Oregon, Eugene, OR, June 16-20, 2010,
 The ancestral logic of politics: Fighting ability and resource level shape attitudes about income distribution. (Sznycer, Petersen, Sell, Cosmides, Tooby).
Human Behavior & Evolution Society, University of Oregon, Eugene, OR, June 16-20, 2010,
 A Psychological and Anthropometric Study of Social Support and Risk Reduction in Humans (Robertson, Delton, Tooby, Cosmides).
Human Behavior & Evolution Society, University of Oregon, Eugene, OR, June 19, 2010,
 Plenary Session in Honor of Margo Wilson. Margo Wilson: Remembrances (Tooby & Cosmides)
Singularity Summit at Machine Intelligence Research Institute (Singularity Institute), August 15, 2010.
 Can discovering the design principles governing natural intelligence unleash breakthroughs in artificial intelligence? (Tooby, J. & Cosmides, L.)
Singularity Summit at Machine Intelligence Research Institute (Singularity Institute), August 15, 2010.
 Panel: Narrow and General Intelligence (Tooby, Goertzel, Yudkowsky & Legg)
Singularity Summit at Machine Intelligence Research Institute (Singularity Institute), August 16, 2010.
 Singularity Institute, August 16, 2010. Workshop on applications. (Tooby, J.)
Zurich-Minds. Zurich, Switzerland (Sept 16, 2010). Evolutionary psychology and human nature (Cosmides & Tooby)
5th Tinbergen Institute Conference. The nature of preferences and decision-making. Amsterdam, Netherlands (Sept 24-25, 2010). Cognitive adaptations for social exchange. (Cosmides & Tooby)
The Royal Netherlands Academy of Arts and Sciences, Colloquium & workshop: Evolution of Conflict and Cooperation, 21 and 22 September 2010. Evaluating the analytic advantages of inclusive fitness theory versus group selection approaches to altruism and eusociality. (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)
California Polytechnic State University, Department of Anthropology Colloquium. January 11, 2011. Mapping universal human nature: A mission for a unified 21st century anthropology.
California Polytechnic State University, Chumash Auditorium, The evolution of altruism: public forum, Veritas. 8-11pm. January 11, 2011. (Tooby, J. & Schloss, J.)
Donald W. Taylor Memorial Colloquium. Yale University Department of Psychology, New Haven, CT, March 23, 2011. The architecture of motivation: A computational and evolutionary-functional approach. (Cosmides & Tooby).
University of California, Riverside. Department of Biology Colloquium. May 13, 2013. The evolutionary biology of kin detection, altruism, and inbreeding avoidance. (Tooby, J.)
University of California, San Francisco. UCSF Conference on evolution and cancer. June 3, 2011. Cancer as the product of two host-parasite coevolutionary races (Tooby, J.)
Human Behavior & Evolution Society, Montpellier, France, June 29-July 3, 2011, Who's one of us? Erasing race with social class (Cosmides, Altshteyn, Tooby).
Human Behavior & Evolution Society, Montpellier, France, June 29-July 3, 2011, Coalition first, beliefs second: what accounts for the content of political issues? (Tooby & Cosmides).
Human Behavior & Evolution Society, Montpellier, France, June 29-July 3, 2011, The more you value me, the more I value you: welfare tradeoff ratios, emotions and reciprocity. (Lim, Sznycer, Delton, Robertson, Cosmides & Tooby)

Human Behavior & Evolution Society, Montpellier, France, June 29-July 3, 2011, Burning down the house: Punishers just want to punish (Kim, Tooby & Cosmides)

Human Behavior & Evolution Society, Montpellier, France, June 29-July 3, 2011, What can responses to attempted crimes tell us about human moral psychology? (Tooby & Cosmides)

Human Behavior & Evolution Society, Montpellier, France, June 29-July 3, 2011, Social exclusion as a cue to social value (Robertson, Delton, Sznycer, Tooby & Cosmides)

Human Behavior & Evolution Society, Montpellier, France, June 29-July 3, 2011, The grammar of disgrace: The psychology of shame is domain-specific and closely tracks the psychology of social valuation. (Sznycer, Tooby & Cosmides)

Human Behavior & Evolution Society, Montpellier, France, June 29-July 3, 2011, What second-order free rider problem? (Krasnow, Delton, Tooby & Cosmides)

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

IFREE lecture at the Economic Science Institute (ESI), Chapman University, Orange, CA (February 24, 2012) The welfare tradeoff architecture, cooperation, and social emotions (Tooby)

Human Behavior & Evolution Society, New Mexico (June 13 – 17, 2012) The psychosemantics of free riding: Dissecting the architecture of a moral concept (Delton, Cosmides, Guemo, Robertson, Tooby) New Mexico (June 13 – 17, 2012)

Human Behavior & Evolution Society, New Mexico (June 13 – 17, 2012) Collective sanctioning of collective action (Kim, Tooby, Cosmides).

Human Behavior & Evolution Society, New Mexico (June 13 – 17, 2012) Race as coalitional byproduct: The state of the art (Pietraszewski, Cosmides, Tooby)

Human Behavior & Evolution Society, New Mexico (June 13 – 17, 2012) The context of rejection: Distinct motivations for social exclusion lead to distinct response patterns (Robertson, Delton, Cosmides, Tooby)

Human Behavior & Evolution Society, New Mexico (June 13 – 17, 2012) Cross-cultural differences and similarities in proneness to shame: An adaptationist and ecological approach (Sznycer, Takemura, Delton, Sato, Robertson, Cosmides, Tooby)

Reason Foundation Seminar, August 13, 2012. Evolutionary psychology and social institutions: appetites, illusions, and what works. (Tooby & Cosmides)

Reason Foundation Seminar, August 13, 2012. Evolved design of human motivational systems. (Cosmides & Tooby)

University of California, Santa Barbara, Faculty Research Award Lecture. Santa Barbara, CA (November 28, 2012). Invited public address for UCSB's highest research award: Climbing down inside the human operating system: Exploring the evolved programs that run our species. (Cosmides & Tooby)

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

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

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

Universidad San Francisco de Quito & Mont Pelerin Society. San Cristobal, Galapagos Islands, Ecuador (June 25, 2013). Conference on Evolution and the Human Sciences. Plenary Address: The Moral Animal. (Tooby & Cosmides)

Universidad San Francisco de Quito & Mont Pelerin Society. San Cristobal, Galapagos Islands, Ecuador (June 25, 2013).). Conference on Evolution and the Human Sciences. Plenary Address: Reciprocity and the welfare of others. (Cosmides & Tooby)

Max Plank Institute for Human Development, Berlin, Germany (June, 2013). Darwinizing Marx: Individual differences in attitudes about income distribution from an ecological perspective (Sznycer, Cosmides & Tooby)

Human Behavior & Evolution Society, 25th Annual Meeting, Miami, FL (July 20, 2013). Keynote Address: “Evolutionary Psychology: Back to the Future”. (Cosmides & Tooby)

Human Behavior & Evolution Society, 25th Annual Meeting, Miami, FL (July 17-20, 2013) Cognitive adaptations for the delivery of information: The case of spontaneous confession to a victim (Sznycer, Schniter, Tooby & Cosmides)

Human Behavior & Evolution Society, 25th Annual Meeting, Miami, FL (July 17-20, 2013) Conditional punishment depends not only on how it affects free riders but also how fellow cooperators act (Kim, Tooby & Cosmides)

Human Behavior & Evolution Society, 25th Annual Meeting, Miami, FL (July 17-20, 2013) Punishment and the evolution of group cooperation in the absence of higher-order levels of selection (Delton, Krasnow, Cosmides, & Tooby)

Human Behavior & Evolution Society, 25th Annual Meeting, Miami, FL (July 17-20, 2013) You’d better not treat ME that way! Third party punishment may not be what you thought (Krasnow, Delton, Cosmides & Tooby)

Centro de Estudios Avanzados, Universidad de Playa Ancha, Viña del Mar, Chile, August, 2013. Economic redistribution from an evolutionary-psychological perspective. (Sznycer, D., Petersen, M., Sell, A., Lopez Seal, M., L. Cosmides, L. & Tooby, J.)

Universidad del Desarrollo, Santiago de Chile, Chile, October, 2013. Economic redistribution from an evolutionary-psychological perspective. (Sznycer, D., Petersen, M., Sell, A., Lopez Seal, M., L. Cosmides, L. & Tooby, J.)

Universidad del Desarrollo, Santiago de Chile, Chile, October, 2013. Evolved motivation and economic redistribution. Sznycer, D., Petersen, M., Sell, A., Lopez Seal, M., L. Cosmides, L. & Tooby, J.

8th Annual California Workshop on Evolutionary Social Science. May 3, 2014. New tests of competing theories of human cooperation: What is the state of play? (Tooby, J.)

Central European University. Summer Institute on Morality: Evolutionary origins and cognitive mechanisms. 23 – 30 June, 2014. Alliances and the invention of the moral universe. (Tooby, J. & Cosmides, L.)

Central European University. Summer Institute on Morality: Evolutionary origins and cognitive mechanisms. 23 – 30 June, 2014. Adaptationist approaches to the architecture of motivation. (Cosmides, L. & Tooby, J.)

Human Behavior & Evolution Society in Natal, Brazil, July 27 - August 3, 2014. Predatory rationality, program parameterization, and variation in fitness regimes. (Tooby, J., Sznycer, D., & Cosmides, L.)

Human Behavior & Evolution Society in Natal, Brazil, July 27 - August 3, 2014. Interpersonal foundations of economic redistribution: The roles of compassion and envy. (Lopez Seal, F., Sznycer, D., Lim, J., Sell, A., Tooby, J., Cosmides, L., Halperin, E., Shalvi, S., & Porat, R.)

Human Behavior & Evolution Society in Natal, Brazil, July 27 - August 3, 2014. Inputs of shame. (Sznycer, D., Tooby, J., and Cosmides, L.)

Additional Invited talks include: UCLA, 5/87; Colloquium, Dept. of Psychology, Stanford University, 3/89; University of New Mexico; 1/90; Stanford University Medical School, 4/90; UCSB, 5/90; Harvard University, 1/90; University of Virginia, 4/90; University of Michigan, 4/88; University of Michigan 4/90, Zentrum fur interdisziplinäre Forschung, Bielefeld, Germany (11/91), UC Davis (5/94), and numerous others.