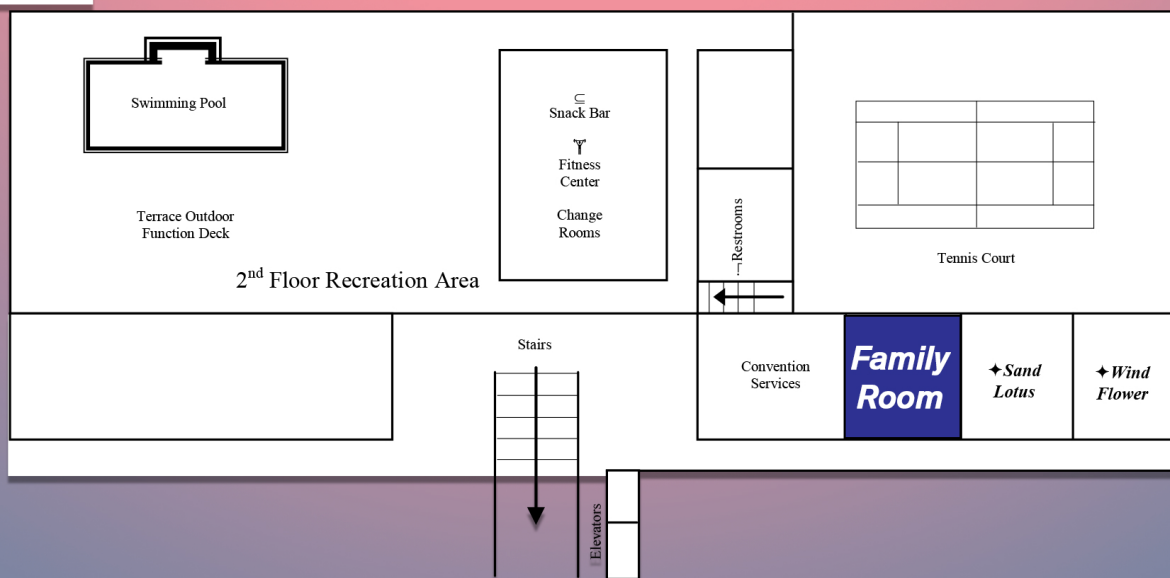


Tempe Mission Palms Hotel

1st Floor



2nd Floor



A Lactation Room is Available in Room 2056
Please ask the Front Desk for the key



**CULTURAL
EVOLUTION
SOCIETY**

CES2018

October 22 - 24
TEMPE, AZ

complexity.asu.edu/ces

Code of Conduct

CES is dedicated to providing a welcoming and harassment-free conference experience for everyone, regardless of gender, gender identity and expression, sexual orientation, disability, physical appearance, body size, race, age, religion, nationality, or the presence of or care for dependents. We do not tolerate harassment of conference participants in any form. Conference participants violating these rules may be sanctioned or expelled from the conference at the discretion of the conference organizers.

Harassment includes, but is not limited to:

- Verbal comments that reinforce social structures of domination related to gender, gender identity and expression, sexual orientation, disability, physical appearance, body size, race, age, religion, nationality
- Sexual images in public spaces
- Deliberate intimidation, stalking, or following
- Harassing photography or recording
- Sustained disruption of talks or other events
- Inappropriate physical contact or unwelcome sexual attention
- Advocating for, or encouraging, any of the above behaviour

For more information or to report an issue, please visit:

complexity.asu.edu/conduct

Cultural Evolution Conference 2018

Tuesday, October 23rd, 8:30 a.m – 5:30 p.m.

Tempe, AZ

Day 2

Session	Time	Room	Topic
	7:30 AM	Ballroom Foyer	Conference Check-in Opens
	7:30 – 8:30 AM	TBD	Breakfast provided by conference
S1	8:30 – 9:30 AM	Dolores	Culture and Economics II
		Ballroom	Cognition
		San Pedro	Cultural History
	9:30 – 9:35 AM		5-min Break (Snacks provided by conference)
S2	9:35 – 10:35 AM	Dolores	Biases
		Ballroom	Field Studies
		San Pedro	Nonhuman Tool Use
	10:35 – 10:40 AM		5-min Break (Snacks provided by conference)
S3	10:40 – 11:40 AM	Dolores	Cognitive Variation
		Ballroom	Developmental Factors
		San Pedro	Case Studies in Cultural Evolution
	11:40 AM – 1:00 PM		Lunch (Provided by conference)
	12:00 – 1:00 PM	Campanile	Executive Committee Meeting
S4	1:00 – 3:00 PM	Ballroom	Plenary and Lightning Talks
	3:00 – 3:15 PM		15-min Break (Coffee & Tea)
S5	3:15 – 4:15 PM	Dolores	Language 2
		Ballroom	Psychology
		San Pedro	Cooperation and Morality
	4:15 – 4:30 PM		15-min Break
S6	4:30 – 5:30 PM	Ballroom	Plenary Speaker: Alison Gopnik
	6:00 – 10:00 PM	The Yard in Tempe	Dinner Party at The Yard (Tickets are Sold out)

Culture and Economics II – Dolores

Bing Han
David Hirshleifer
Johan Walden Social Transmission Bias and Investor Behavior

James Liu
Tomas Perez-Acle
Rodrigo Santibanez Simulating the Rise and Fall of Prosperity in Developed and Developing Societies

Bing Han
David Hirshleifer
Johan Walden Visibility Bias in the Transmission of Consumption Norms and Under-saving

Cognition – Ballroom

Kirsten Blakey
Christine Caldwell
Eva Rafetseder The effect of others' goals on children's strategic use of social information

Bill Thompson
Tom Griffiths A Bayesian Model of Cumulative Culture

Richard Lu
Jennifer Chatman
Amir Goldberg
Sameer Srivastava Deciphering the Cultural Code: Cognition, Behavior, and the Interpersonal Transmission of Culture

Vanessa Ferdinand Evolution and inference: how cognitive biases can be selection pressures on culture.

Cultural History – San Pedro

Hannah J. Haynie
Patrick H. Kavanagh
Fiona Jordan
et. al. Pathways to Social Inequality

Karalyn Boyer
Nicole Creanza Studying cultural and genetic variation to shed light on the migration history of the Americas

Sam Passmore
Fiona Jordan A phylogenetic approach to kinship

Biases – Dolores

Juliet Dunstone
Christine Caldwell
Mark Atkinson

The impact of executive functions on flexible decision making during social learning

Cameron Jones
Simon Kirby

The effect of biasing information on a transmission chain of short texts

Mark Atkinson
Bill Thompson
Elizabeth Renner
Gemma Mackintosh
Christine Caldwell

Robust source-independent biases in children's use of socially and individually acquired information

Richard Berl
Alarna Samarasinghe
Seán Roberts
Fiona Jordan
Michael Gavin

Tell me a story: Comparing the effects of prestige and content biases on cultural transmission

Field Studies – Ballroom

Brooke Scelza
Sean Prall

From Cows to Cash: Shifting norms among Himba pastoralists

Kristopher Smith
Tomas Larroucau
Ibrahim Mabulla
Coren Apicella

Hunter-gatherers maintain assortativity in cooperation despite high-levels of residential change and mixing

Cristina Moya

The cross-cultural development of beliefs that cultural group identities are stable

Non-Human Tool Use – San Pedro

Alba Motes Rodrigo
Parandis Majlesi
Elisa Bandini

R. Adriana
Hernandez Aguilar
Claudio Tennie

Tool excavating techniques are spontaneously reinnovated in captive task-naïve chimpanzees: implications for chimpanzee culture

Rachel Kendal
Camila Coelho

Clara Corat
Eduardo Ottoni

Experimental field investigations of cultural capacities in the, tool-using, bearded capuchin (*Sapajus libidinosus*)

Elisa Bandini
Claudio Tennie

Factors affecting spontaneous reinnovation of tool-use by primates

Jessica Fujii
Sarah Espinosa
Michael Haslam
Katherine Ralls

Michelle Staedler
Natalie Uomini
Karl Mayer
Tim Tinker

Learning and evolution of tool-use in sea otters

Cognitive Variation – Dolores

Burton Voorhees	Human Reasoning
Ryutaro Uchiyama Michael Muthukrishna	General intelligence as an Emergent Product of Cultural Complexity: Explaining the Flynn Effect
Pierce Edmiston Maxime Derex Gary Lupyan	The effects of cultural inheritance on problem solving ability
Ze Hong	Modelling the Gene-culture Coevolution of Educational Attainment in Contemporary Societies

Developmental Factors – Ballroom

Rachel Harrison Andrew Whiten	The transmission of symbolic and non-symbolic images in transmission chains of four- to eight-year-old children
Karsten Olsen Andreas Roepstorff Dan Bang	Knowing whom to learn from: Individual differences in social weighting sensitivity
Emily Little Tanya Broesch Leslie Carver Cristine Legare	Cultural Variation in Infant Emotion Expression during Dyadic Interaction
Nicole Wen Jennifer Clegg Stephanie Estrera Cristine Legare	Between- and Within-Population Variation in Beliefs About Children's Competency and Conformity

Case studies in cultural evolution – San Pedro

R. Alexander Bentley Paul Ormerod Damian Ruck	Cultural-historical dynamics of obesity in the U.S.
Sarah Peoples Joseph Watts Cara Evans Heidi Colleran	Simon Greenhill Susanne Hardecker Daniel Haun How can humans acquire cultural values? Games!
Matthew Zefferman Sarah Mathew	Gene Culture Coevolution of Combat Stress
Irene Teixidor-Toneu Jamie Thompson	Fiona Jordan Julie Hawkins Comparative phylogenetic methods and the cultural evolution of medicinal plant use

Executive Committee Meeting – Campanile

Plenary – Katie Manning

Neolithic histories and cultural evolution

The origins and spread of agricultural economies had an enormous impact on human history, correlating with fundamental changes in demography, ecology and social organization. By taking an evolutionary perspective of the interactions between population, subsistence and socio-cultural traditions, recent work undertaken by myself and colleagues at UCL has shed important new light on the processes of Neolithization in Europe and beyond. Specifically, our research aimed to test the Neolithic Demographic Transition (NDT) hypothesis, which proposed a major demographic shift during the transition from forager-horticulturists to farmers, which can be explained by increased maternal energetics of farming communities relative to mobile foragers. However, whilst our research supports the NDT hypothesis, we also revealed that the reproductive advantage offered by farming was not continuous, and that most regions in Europe suffered consecutive population booms and busts. In this talk I will outline key findings of the EUROEVOL project, focusing on the expansion of the farming 'niche' and evolutionary demography of Neolithic western Europe.

Lightning talks

Andone Gurruchaga	A demographic-structural hypothesis for Tiwanaku state collapse	
Francesca Luberti Robert Brooks Khandis Blake	The Opposition to Same-sex Marriage in the USA and Australia: An Experimental Test of Evolutionary and Economic Hypotheses	
Elena Miu Thomas Morgan	A model of demography and cumulative culture	
Erick Oduniyi Vanessa Ferdinand	Emotion extraction in stories through sentiment analysis and physiological sensing	
Sean Roberts	The Causal Hypotheses in Evolutionary Linguistics Database: A tool for effective research in cultural evolution	
Mason Youngblood David Lahti	A bibliometric analysis of the interdisciplinary field of cultural evolution	
David Buss William von Hippel	Do Psychological Adaptations Impede Understanding the Foundations of Cultural Evolution?	
Bailey House Joan Silk Patricia Kanngiesser Clark Barrett Alejandro Erut Andrew Marcus Smith	Tanya Broesch Senay Cebioglu Alyssa Crittenden Sheina Lew-Levy Carla Sebastian-Enesco Süheyla Yilmaz	Universal norm psychology and the origins of societal diversity in prosocial behavior

Elizabeth Renner

Delia Couper
Donna Kean
Mark Atkinson
Christine Caldwell

Capuchin monkeys' (*Sapajus apella*) and human children's (*Homo sapiens*) use of information from social, virtual, and individual sources in a stimulus choice task

Deeya Mitra

Jeffrey Arnett

Developmental Tasks of Emerging Adults from India

Cara Evans

Joseph Watts
Russell Gray

Did intergroup warfare drive the evolution of within-group cohesion and complexity in traditional Austronesian societies?

Day 2, Session 5:

Tuesday, October 23rd, 3:15 – 4:15 p.m

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Language 2 – Dolores**Limor Raviv**

Antje Meyer
Shiri Lev-Ari

Network structure and the cultural evolution of linguistic structure: An artificial language study

Stuart Watson

Jutta Mueller
Shen Yang Chong

Susan Lambeth
Steven Schapiro
Simon Townsend

Non-adjacent dependency processing in humans, apes and monkeys using an artificial grammar paradigm.

Gary Lupyan

Population size and the evolution of linguistic redundancy

Arturs Semenuks

What makes a language violate universals? Correlates of linguistic rarities and their importance in studying linguodiversity

Psychology – Ballroom**Paul Smaldino**

Aaron Lukaszewski

Christopher von Rueden
Michael Gurven

A Socioecological Model of Personality Trait Distributions

**Jonathan Schulz
Joe Henrich**

Duman Bahrami-Rad
Jonathan Beauchamp

The Origins of WEIRD People

Joshua Conrad Jackson

Joseph Watts
Teague Henry
Johann-Mattis List

Robert Forkel
Simon Greenhill
Russell Gray
Kristen Lindquist

Human Emotion Across 1156 Languages: An Analysis Using Concept Colexification

Gwendolyn Gardiner

David Funder

Geographic Predictors of Personality Traits

Cooperation and Morality – San Pedro (con't Day 2, Session 5)

Marcel Harmon	The Owner Project Requirement's Document as a Tool of Cooperation	
Joshua Rottman Angie Johnston Sydney Bierhoff Taisha Pelletier	Anastasiia Grigoreva Josie Benitez Prsni Patel	Selective Trust and Positive Evaluations of Clean Informants Across Development and Culture
Daniel Kelly	Cultural Evolution, Norm Change, and Moral Progress	
Joaquin Poblete Francisco Brahm	The Evolution of Productive Organizations	

Day 2, Session 6:
Tuesday, October 23rd, 4:30 – 5:30 p.m

CES 2018
Tempe, AZ

Plenary Speaker – Alison Gopnik

Childhood as a solution to explore-exploit dilemmas: Life history, learning and cultural evolution

I will present several studies showing that preschoolers can learn abstract higher-order principles from data, as well as studies of adolescents, low SES American and Peruvian children, and Peruvian adults on the same tasks. In each case, younger learners were actually better at inferring unusual or unlikely principles than older learners. I will also include preliminary evidence from Amazonian horticulturalists. I relate this to computational ideas about search and sampling, to evolutionary ideas about human life history, and to neuroscience findings about the negative effects of frontal control on wide exploration, and the advantages of earlier neural architectures for wide-ranging learning. My hypothesis is that childhood is evolution's way of performing simulated annealing. Our distinctively long human childhood allows a period of broad "high-temperature" hypothesis search. As a result, this life-history allow humans to escape from local optima in the course of cultural evolution.

PROMOTING DIVERSITY IN QUESTION ASKING



1 in 2 audience members
in academic seminars are
women.

But for every question
asked by a woman, men
ask 2-3 times as many



Visibility matters: people tend to judge whether
they "belong" in a career based on who they see in
it. Low visibility may lead to the attrition of women
and other minorities in academia.

FINDING: WHEN MORE QUESTIONS WERE ASKED,
THE GENDER BALANCE IN THE QUESTIONS FROM
THE AUDIENCE INCREASED*



TIPS: **Organisers:** Allow more time for
questions after a seminar

Moderators: Keep questions and answers short;
intercept 'showing off' questions or comments

Audience: Ask questions after talks; save
statements and comments for after the talk

FINDING: WOMEN REPORT FEELING MORE NERVOUS THAN
MEN ABOUT ASKING QUESTIONS, BUT MEN GET
NERVOUS, TOO



TIPS: **Organisers:** Allow a small break
for time to formulate questions

Moderators: Be encouraging and keep an eye
peeled for questions from less confidently-raised
hands

Audience: Recognise that many others feel the
same way as you; it's ok to feel nervous!

FINDING: PROPORTIONALLY MORE WOMEN ASKED
QUESTIONS WHEN THE FIRST QUESTION CAME
FROM A FEMALE*



TIPS: **Organisers:** State expectations for
behaviour that supports inclusivity

Moderators: Choose someone who would
normally not ask a question first, if possible.

Audience: Consider holding onto your question
briefly, to provide an opportunity for someone
whose voice is heard less often

*these data are correlational, but the tips can't hurt to implement, just in case

for more tips, go here: <http://diversityinacademia.strikingly.com/>