HEB SENIOR UNDERGRADUATE THESES, 2014-2018

These titles, and others from 2009-2013, are available from the HEB concentration advisors.
Most theses from 2008 and earlier are searchable in HOLLIS

YEAR	STUDENT	*THESIS TITLE*	ADVISOR
2018	Monilola Awolesi	*Tactile Communication during Cooperation: Exploring the Effect of Sex on Dyadic Bond Formation and Maintenance*	Bridget Alex
	Mia Charifson	*Learning Transfer in Adolescence: The Effects of Previous Learning On Later Cognitive Control*	Leah Somerville (Psychology)
	Tess Cushing	*Stick-carrying in Juvenile Chimpanzees: Imitation or Pretense?*	Richard Wrangham & Paul Harris
	Saige Daniel	*Characterizing the Pubertal Transition in Young Girls: The Dynamics of Growth, Energy Balance, and Insulin Relative to Menarche*	Susan Lipson
	Cara Jacobson	*The Function of Male Greetings in a Kibale Olive Baboon Troop*	Vivek Venkataraman
	Cookie Koch	*Effect of Shoe Type on Foot Development and Function in Children*	Dan Lieberman
	Elena McCormick	*Reconstructing Pleistocene Seasonality in the Cradle of Humankind: An analysis of stable oxygen isotopes in fossil primate and ungulate tooth enamel*	Noreen Tuross
	Alexander Richards	*Adjustability of the Stiffness of the Medial Longitudinal Arch of the Human Foot*	Nick Holowka
	Laura Schell	*Effect of traditional and industrial food preservation agents on the gut microbiota*	Rachel Carmody
	Cameron Shaw	*Functional Testing of Height Variants in Articular Chondrocytes*	Terry Capellini
	Elianna Shwayder	*When Hairy Met Sally: Male Motivations in Heterosexual Friendships Among Forest-Dwelling Olive Baboons*	Vivek Venkataraman
	Emily Tran	*Glossopharyngeal Innervations of Novel Taste Cells on the Circumvallate Papillae of the Tongue*	Stephen Liberles (Harvard Medical School)
	Siddharth Yarlagadda	*When Evolution Hurts: Functional Testing of Candidate Variants Associated with Increased Susceptibility to Osteoarthritis*	Terry Capellini
2017	Lindsey Hagberg	*Behavioral Correlates of Aging in Male Chimpanzees*	Zarin Machanda
	Manizha Kholmatov	*The Observer Effect: How Looking at Costs and Benefits Impacts Cooperative Behavior*	Erez Yoeli (Program for Evolutionary Dynamics)
	Cecilia Laguarda	*Mean Girls: An Analysis of Female-Female Relationships in the Kanyawara Olive Baboon Troop*	Zarin Machanda
	Hannah Leverson	*Self-Deprecatory Humor As a Costly Signal of Status*	Bethany Burum (Psychology)
	Delfina Martinez-Pandiani	*Reconciliation in Homo sapiens: Behavioral Perspectives on the Human Post-Conflict Period*	Joyce Benenson & Richard Wrangham
	Shivangi Parmar	*An Analysis of Non-Kin Male-Female Relationship Dynamics In the Kibale Olive Baboon Troop*	Zarin Machanda
	Hailey Reneau	*The Cost of Service: Sex Differences in the Effects of Social Support on PTSD in U.S. Veterans*	Carole Hooven
	Andrew Roney	*The Effects of Footwear on Knee Moments: Footwear Causes Increased Peak Knee Adduction Moments Associated with Knee Osteoarthritis*	Daniel Lieberman & Nick Holowka
	Jamie Tanzer	*The Role of Laundry Detergent-Induced Damage to the Skin Barrier in the Development of Food Allergy*	Heather Shattuck-Heidorn (Maine State Refugee Health Coordinator) & Michiko Oyoshi (Harvard Medical School)
	Nazow Tarakai	*Negating Kinship: Understanding Taliban Recruitment and Support through Pastoralist Subsistence Strategy*	Bridget Alex & Richard Wrangham
	Emily Venable	*Nutritional Contribution, Sexual Dimorphism, and Biological Implications of Rotting Wood Consumption by Wild Chimpanzees in Kibale National Park*	Richard Wrangham
	Hunter York	*Ethnographic and Perceptual Evidence for an Evolved Function of Music as a Coalition Signaling System*	Max Krasnow (Psychology)
2016	Pamela Chen	*Beyond Twenty-Eight Days: Modeling energetic regulation of menstrual cycle length using urinary C- peptide and urinary free cortisol*	Susan Lipson
	Connie Hsu	*The impact of athletic identity on pain-related distress and functioning in young athletes: an evolutionary perspective*	Susan Lipson
	CJ Jaramillo	*The Relationship Between Footwear, Arch Stiffness, and Intrinsic Pedal Musculature in Dancers*	Daniel Lieberman

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	Bernadette Lim	*Beyond the Maternal-Infant Bond: Exploring Partner Influence on Breastfeeding and Co-sleeping*	Peter Ellison
	Claire Lo	*Born to Run Slowly: The Influence of Exercise Intensity on Serum C-reactive Protein as a Measure of Cardiovascular Disease Risk*	Daniel Lieberman
	Kim Reimold	*(MBB) Fat and Fecund: How Energy Status and Fat Distribution Shape Reproduction in a Modern Population of Females*	Daniel Lieberman & Carole Hooven
	Lauren Stone	*(MBB) Central Ghrelin Resistance: A Newly Discovered Consequence of Chronic Stress, with Implications for Stress-associated Mental Illness*	Peter Ellison
	Olivia Turner	*A Non-Fig Fruit a Day Keeps the Illness Away: A Study of Illness and Injury in Wild Chimpanzees*	Zarin Machanda
	Hursuong Vongsachang	*Changes in Hair Cortisol and Isotopic Values in College Freshmen: A Study of the Freshman 15*	Peter Ellison
	Taylor Weary	*Sources of Variation in Fecal Particle Size for Free-Ranging Eastern Chimpanzees (Pan troglodytes schweinfurthii) in Kibale National Park, Uganda: Influence of Age and Food Type*	Richard Wrangham
	Wilder Wohns	*Exploring the Genomic Regulatory Architecture of Limb Bud Development and the Evolution of Limb Proportions in Mice and Primates*	Terry Capellini
2015	Sarah Abrams	*(MBB) Go for a run and let off some steam: cortisol is a biomarker of the long-term stress-relieving effects of exercise*	Susan Lipson
	Claire Edelson	*Sexual Coercion in a Western Human Population: Examining Patterns of Male Aggression Towards Female Partners*	Zarin Machanda
	Adrian Fanucci-Kiss	*Mother Knows Best: Ecological Factors Shaping Maternal Sociality in Dusky Dolphins (Lagenorhynchus obscurus)*	Zarin Machanda
	Ann Finkel	*(MBB) "It's Not Fair that James Gets All of Them": A Cross-Cultural Comparison on the Development of Third-Party Intervention*	Felix Warneken (Psychology)
	Rob Gunzenhauser	*Gdf5 cis-Regulation of the Shoulder Joint and Evolution of the Primate Scapula*	Terry Capellini
	Julia Hyman	*Social Relations in Red Colobus Monkeys*	Richard Wrangham
	Taylor Reiter	*A Starch Contrast: Evolution of Amylase Copy Number in Dogs and Humans*	Terry Capellini
	Patrick Schiller	*The Five Second Rule: A Novel Method for Collecting Wild Chimpanzee Saliva Samples; A Renewed Method for Understanding the Human Oral Microbiome*	Rachel Carmody
	Jenny Wong	*An Investigation of the Infant Safety Hypothesis in Kibale Red Colobus Monkeys (Procolobus tephrosceles)*	Richard Wrangham
2014	Emily Groopman	*The Fats of Life: The Energetic Significance of Processing Peanuts, A Lipid-Rich Plant Food*	Richard Wrangham
	Elizabeth Harvey	*Isotopic Change with Cooking: Implications for the Understanding of Neanderthal Diets*	Noreen Tuross
	Timothy Hopper	*Saving What Counts: An Investigation of Selective Memory Consolidation*	Robert Stickgold (Harvard Medical School)
	Riana Jumamil	*Fat and Its Relatives: The Effect of Family Relationships and Malnutrition on Adult Metabolic Risk Factors*	Janina Galler (Judge Baker Children's Center)
	Omar Mesina	*In Search of Our Natural Running Form: A Randomized Control Study of the Role of Running Form on Impact Peaks and Repetitive Stress Injuries*	Daniel Lieberman
	Diana Miao	*Detecting Signals of Natural Selection in Whole-Genome-Sequenced Plasmodium falciparum Malaria Parasites from Thiès, Senegal: 2006-2012*	Dyann Wirth (Harvard T.H. Chan School of Public Health)
	Allie Pace	*Your Brain on Games: Neural Activity Differences in Emotion Recognition after Plasticity-based Social Cognitive Training*	Christine Hooker (Psychology)
	Sara Providence	*Digging in Our Heels: The Effect of Heel Height and Stiffness on Impact Forces during Shod Walking and Heel-Strike Running*	Daniel Lieberman
	Alex Smith	*Cooking Beasts: The Role of Thermal Processing in Early Hominin Scavenging*	Richard Wrangham
	James Wood	*Gdf5 cis-Regulation and the Control of Variation in Primate Elbow Joint Morphology*	Terence Capellini
	Madeline Zhu	*Detecting stable nitrogen isotopes in human modern and archaeological tooth enamel*	Linda Reynard