

34th Annual Meeting

HUMAN BIOLOGY ASSOCIATION

Program

of the

34th Annual Meeting

to be held in

Chicago, Illinois

Sheraton Hotel and Towers

April 1-2, 2009

PROGRAM COMMITTEE:

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Michael Grimes
Daniel Lende
Joan C. Stevenson

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Crystal L. Patil

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GREETINGS FROM HBA PROGRAM COMMITTEE CHAIR

Happy Birthday Charles!

At its 34th Annual Meeting, the Human Biology Association will join in a year-long global celebration of Charles Darwin's far-reaching contributions. Commemorations throughout 2009 mark the bicentenary of Darwin's birth (February 12, 1809) and the 150th anniversary of the publication of *On the Origin of Species* (November 24, 1859). The program at this year's HBA meeting has been organized with special attention to the influence of the evolutionary paradigm on the understanding of human biological diversity.

The HBA Annual Meeting will be held at the Sheraton Hotel and Towers (Chicago, Illinois) on Wednesday and Thursday, April 1-2, 2009. Non-members are welcome to attend. Registration is less costly on-line (www.humbio.org) before March 15, but also available at the meeting.

A detailed schedule of presentations and events, abstracts of the presentations, and an index of the authors' names and presentation slot follows this summary (also see www.humbio.org). Floor plans for the venue are at www.sheratonchicago.com/meetings/function.html. Wednesday morning's Poster Session will be in the River Exhibition Hall B (on Level 1), and the afternoon's Plenary Session will be in Chicago Ballroom IX (on Level 4). Thursday's Podium Sessions and Business Meeting will be in Michigan A&B (on Level 2). Evening Receptions and Thursday's Award Luncheon will be in the Mayfair Room (on Level 2), an elegant setting with panoramic views of the Chicago River.

The opening Poster Session, to begin at 8:30 am on Wednesday morning, comprises 65 presentations of cutting-edge research representing the diversity of interests among human biologists including behavior, genetics, growth/development, health, nutrition, reproduction, sexuality, and skeletal biology. Technical and methodological advancements for the study of human biology are featured in many of the posters and are the specific focus of several presentations.

The Plenary Session, "The Past 10,000 Years: Is There a Mismatch between our Environment and our Genes?" has been organized by Cynthia Beall and Gary James, who open the session at 12:30 pm on Wednesday. The Pearl Memorial Speaker, Alan Bittles, will examine "Demography, endogamy, consanguinity, and the pace of recent human evolution," and will be followed by presentations from six outstanding scientists discussing evidence for the ongoing co-evolution of humans and the myriad biotic environments into which we have spread.

The day is topped with a celebratory reception from 6:00-9:00 pm featuring an expansive buffet and a toast to Charles. Whether decked out in sequins or laid back in denim, come join the festivities!

Thursday's scientific program comprises 22 presentations organized into four Podium Sessions: "Human Behavior and Health" and "Darwin's Legacy: Human Evolutionary Biology" during the morning, and two sessions of "Applied Research" during the afternoon.

The Annual Awards Luncheon will begin at noon on Thursday. We urge you to purchase your luncheon tickets well in advance! The recipients of the Edward E. Hunt, Jr. Student Prizes for outstanding research presentations will be announced, and the HBA Executive Committee will have the pleasure and honor of presenting The Franz Boas Distinguished Achievement Award to Dr. Cynthia M. Beall, S. Idell Pyle Professor of Anthropology and Professor of Anatomy and Global Health at Case Western Reserve University, in recognition of her exemplary contributions to human biology in science, scholarship, and professional service.

We encourage you to participate in the HBA Annual Business Meeting, which will follow on the heels of the final Podium Session in the same room on Thursday at 5:00 pm. Thursday evening's Student Reception is open to all students registered for the Annual Meeting. A buffet and open bar will facilitate round table discussions with invited senior scholars on topics selected by the Student Organizing Committee.

The HBA meeting overlaps with those of several sister organizations including the American Association of Physical Anthropologists (AAPA, April 1-4, Wednesday evening through Saturday). The AAPA/HBA Jointly Sponsored Symposium, "Detecting Natural Selection in Humans," has been organized by Stephen McGarvey and is scheduled for Friday morning, beginning at 8:00 am in Chicago Ballroom IX. The AAPA program offers several other sessions of interest to human biologists (e.g., "Ecology and Evolutionary Biology of Primate Lactation," organized by Daniel Sellen and Katherine Hinde, scheduled for Friday from 1:00-3:30 pm in Chicago Ballroom VIII). Please see www.physanth.org for the entire AAPA program.

The HBA Scientific Program, Local Arrangements, and Executive Committees cordially invite you to Chicago for our thirty-fourth Annual Meeting. This is surely to be one of the best gatherings in our history, all the better for your participation.

Virginia J. Vitzthum
HBA Program Committee Chair

**34TH ANNUAL MEETING
HUMAN BIOLOGY ASSOCIATION
PROGRAM SUMMARY**

TUESDAY, MARCH 31, 2009

5:00–8:00 PM **Registration**
Corridor outside Mississippi Room

6:00–10:00 PM **Executive Committee Meeting**
Mississippi Room

WEDNESDAY, APRIL 1, 2009

8:00 AM–5:00 PM **Registration**
Chicago Ballroom Promenade East

8:30–11:30 AM **POSTER SESSION**
Chair: Virginia J. Vitzthum
River Exhibition Hall B

11:30 AM–12:30 PM **Lunch Break**

12:30 PM–12:45 PM **OPENING WELCOME**
Gary D James, President of the Human Biology Association
Chicago Ballroom IX

INTRODUCTORY REMARKS
Cynthia M Beall
Chicago Ballroom IX

12:45–1:45 PM **PEARL MEMORIAL LECTURE**
Demography, endogamy, consanguinity, and the pace of recent human evolution.
Alan H Bittles
Chicago Ballroom IX

1:45–5:30 PM **PLENARY SESSION**
The Past 10,000 Years: Is There a Mismatch between our Environment and our Genes?
Organizers: Cynthia M Beall and Gary D James
Chicago Ballroom IX

6:00–9:00 PM **HBA RECEPTION AND CASH BAR**
Mayfair Room

THURSDAY, APRIL 2, 2009

- 8:00 AM–12:00 PM **REGISTRATION**
Corridor outside Michigan A&B
- 8:45–10:00 AM **PODIUM SESSION A**
Human Behavior and Health
Chair: Michael Grimes
Michigan A&B
- 10:00–10:15 AM **Coffee Break**
- 10:15–11:45 AM **PODIUM SESSION B**
Darwin’s Legacy: Human Evolutionary Biology
Chair: Virginia J Vitzthum
Michigan A&B
- 12:00–1:30 PM **HBA ANNUAL AWARDS LUNCHEON**
Mayfair Room
- 2:00–3:30 PM **PODIUM SESSION C**
Applied Research I
Chair: Daniel Lende
Michigan A&B
- 3:30–3:45 PM **Coffee Break**
- 3:45–5:00 PM **PODIUM SESSION D**
Applied Research II
Chair: Joan C Stevenson
Michigan A&B
- 5:00–6:30 PM **HBA ANNUAL BUSINESS MEETING**
Michigan A&B
- 7:00–9:00 PM **HBA STUDENT RECEPTION**
Mayfair Room

FRIDAY, APRIL 3, 2009

- 8:00 AM–12:00 PM **JOINT AAPA/HBA SYMPOSIUM**
Detecting Natural Selection in Humans
Organizer: Stephen T McGarvey
Chicago Ballroom IX

**34TH ANNUAL MEETING
HUMAN BIOLOGY ASSOCIATION
SCIENTIFIC PROGRAM**

WEDNESDAY, APRIL 1, 2009

8:30–11:30 AM **POSTER PRESENTATIONS**
Chair: Virginia J Vitzthum
River Exhibition Hall B

8:00–8:30 AM: Poster setup

8:30–10:00 AM: Authors of even-numbered posters present for questions

10:00–11:30 AM: Authors of odd-numbered posters present for questions

1. Japanese scapular width changes from the oldest (Jomon) age to modern age referring to Tokugawa aristocrats and Ainus. T HOJO.
2. Shuar sleep patterns: a preliminary study of sleep duration and quality in an Indigenous Amazonian society. TR GANDOLFO, JJ SNODGRASS, AD BLACKWELL, FC MADIMENOS, TJ CEPON, LS SUGIYAMA.
3. Phenotypic variation in the expression of Marfan syndrome and the relationship to age. KK BURNITZ, EJ BOWERS.
4. Gene-by-age interaction effects on grip strength: the Southwest Ohio Family Study. AC CHOH, M LEE, RW NAHHAS, J BLANGERO, B TOWNE, AF WILSON, RM SIERVOGEL, SA COLE, SA CZERWINSKI.
5. Genetic structure of Beringian populations and implications for the peopling of the New World, based on analysis of autosomal STR data. R RUBICZ, PE MELTON, V SPITSYN, G SUN, R DEKA, MH CRAWFORD.
6. Reconstructing the origin of Lapita: microsatellite analyses of East Sepik Province, PNG. MG VILAR, A KANEKO, FW HOMBHANJE, T TSUKAHARA, I HWAIHWANJE, JK LUM.
7. Role of environmental factors in detection of susceptibility loci for adiposity phenotypes in Samoans. ST MCGARVEY.
8. Estradiol, mood and female intrasexual competition. LL BECKER, P BROWN, MP MUEHLENBEIN.
9. Measures of facial symmetry predict self-perceived attractiveness and time spent on daily beautification rituals in a sample of young women. AA LEMKE, LA MARTINEZ, LT JONES, LL BECKER, MP MUEHLENBEIN.

10. Sexual behavior, dopaminergic sensation-seeking, and perceived mate quality among college students. JR GARCIA, AE HUARD, DW STEADMAN, EL ALLER, RS ZAMORE, AM MERRIWETHER, DS WILSON, JK LUM.
11. The descent of dad's sexuality. PB GRAY.
12. Unprotected sex is associated with having sex while high in high risk African American women. NL ROGERS, C CARR, T DUNCAN-ALEXANDER, RW EUSTACE, D MOORE.
13. Quantifying the selection bias in cross-sectional studies of ovarian hormones. JT THORNBURG, VJ VITZTHUM
14. The effect of age at migration on adult estrogen and progesterone concentrations in Latina migrants in the US. AC GUYTON, KA O'CONNOR.
15. The effect of migration on ovarian reserve in adult Bangladeshi women. K BEGUM, S MUTTUKRISHNA, T SHARMEEN, LL SIEVERT, O CHOWDHURY, GR BENTLEY.
16. Differential methylation in *PGR* may explain varying progesterone levels in migrant Bangladeshi women. CE O'CONNOR, GR BENTLEY, S APOSTOLIDOU, A JONES, S MUTTUKRISHNA, M WIDSCHWENDTER.
17. C-peptide and steroid hormone production in female college athletes. CL LANGENBERG, JE HANSON, MA GRIMES.
18. Does high animal fat and protein consumption alter the duration of ovarian cycle phases? Evidence from a study of nomadic Mongolian herders. K JURADO, VJ VITZTHUM, C DEIMEL, T DESCHNER.
19. Differences in age at natural menopause between South Asian and European women: a cross sectional study in Newcastle, UK. TM POLLARD, A NÚÑEZ-DE LA MORA, N UNWIN, M WHITE, R BHOPAL.
20. Menopause is associated with decreased adiposity but elevated CRP in Filipino women. JN RUTHERFORD, TW MCDADE, L ADAIR, C KUZAWA.
21. Frequencies and clustering of somatic symptoms at midlife: comparing quantitative and qualitative responses. LL SIEVERT, CM OBERMEYER.
22. A quantitative and qualitative assessment of attitudes towards menstruation and menopause: the Hilo Women's Health Study. LA MORRISON, LL SIEVERT, DE BROWN, AM REZA, N RAHBERG, AN GOODLOE.
23. Explaining fertility patterns among women in an Amerindian population: childbearing goals and perceptions of risk. S ARPS.

24. Obligate midwifery as a strategy to minimize postpartum hemorrhage. FG LYNCH, ET ABRAMS.
25. Aversions and cravings, and symptoms of pregnancy experienced by women living in north-central Tanzania. CL PATIL, AG YOUNG.
26. Prenatal care, birth weight, and infant mortality. EK O'NEILL, F FANG, H STRATTON, TB GAGE.
27. Breastfeeding patterns among tropical horticulturalists in the Brazilian Amazon. LM GOODEN, BA PIPERATA.
28. Risk of early supplementation and weaning among infants of low-income urban women, in São Paulo, Brazil. A RUDZIK.
29. Patterns of breastfeeding by Blackfeet women. SL JOHNSTON.
30. Nutritional status in low-income rural and urban Colorado schoolchildren. RL BENDER, DL DUFOUR, ES BELANSKY.
31. Dietary habits and weight status among adolescents in rural Colorado. HS WILLIAMS, JB MILLETTE, JA MARSHALL.
32. Relationship between C-reactive protein levels and body composition in a multiethnic sample of school children in Hawaii. DE BROWN, WJ MAUTZ, M WARRINGTON, A IOANE.
33. Household food insecurity in Cambodian families in Rhode Island. PF CLARKIN.
34. To be *gordita* or not: questioning the thrifty genotype, Mexican style. AA ESTRIN, TR TURNER, MP MUEHLENBEIN.
35. Are the children of Appalachia unhealthy? An investigation into childhood obesity. AM ZIDRON, K MONTGOMERY-REAGAN, GH ICE.
36. Historical relationship of nutritional quality of UK school meals to overweight and obesity in children. VJ MCGOWAN, LJ ELLS, GR BENTLEY.
37. Social determinants of overweight in Thai adolescent girls. LR PAWLOSKI. P KITSANTAS.
38. Evidence for a positive secular trend in obesity in Bolivia and Peru. TA BEKELMAN, DL DUFOUR.
39. The nutrition transition among urban women of Cali, Colombia. KM OLSZOWY, JC REINA, DL DUFOUR.

40. Food choice and obesity in economically disadvantaged urban women in Cali, Colombia. MM SHUGART, JC REINA, DL DUFOUR.
41. Anthropometric and lifestyle correlates of blood pressure among indigenous Siberians. TJ CEPON, JJ SNODGRASS, WR LEONARD, LA TARSKAIA, NV MAHAROVA, AG EGOROVA, NP MATVEEVA, IA PINIGINA, SD HALYEV, AN ROMANOVA.
42. Grip strength and hemoglobin levels among the Yakut of Siberia. SR WILLIAMS, JJ SNODGRASS, WR LEONARD, LA TARSKAIA, NV MAHAROVA, AG EGOROVA, NP MATVEEVA, IA PINIGINA, SD HALYEV, AN ROMANOVA.
43. Sex differences in the effects of childhood maternal “over-protectiveness” on adult alcohol and tobacco consumption and body composition in a rural Dominican village. S DECKER, M FLINN, R MANN, D LEONE, J GAY, J DEVITO.
44. The effects of oral contraceptives on the diurnal variation of urinary catecholamine excretion rates over the menstrual cycle. GD JAMES, HM VAN BERGE-LANDRY.
45. Tuberculosis transmission and the everyday geography of the homeless. CV CARPENTER, JL JOHANNING, LP PHILLIPS.
46. Is immune function altered by exposure to common pollutants? LM SCHELL, MV GALLO, AP DECAPRIO, J RAVENSCROFT.
47. The impact of romantic unions on adult health outcomes in Mandeville, Jamaica. RG NELSON.
48. Effects of algal-docosahexaenoic acid (DHA) on fasting triglyceride levels and other cardiovascular risk factors. AS RYAN, MA KESKE, JP HOFFMAN, EB NELSON.
49. Factors affecting between-individual blood pressure variation differ depending upon situation of measurement in young normotensive working women. HM VAN BERGE-LANDRY, GD JAMES.
50. Exceeding their parent’s means: blood pressure and cultural dimensions of social status for African American adolescents. E SWEET.
51. Stress response and experience during major life transitions: A study of transgendered men using hormonal replacement therapy. LZ DUBOIS.
52. Contextualizing stress and health outcomes for older adults in rural North Dakota. DL HOWELL, SR WILLIAMS.
53. Self-reported concerns and urinary cortisol levels in a Mayan community. P NEPOMNASCHY, R HASAN, D MCCONNELL, B ENGLAND.

54. Nutritional change and cardiovascular health among the Tsimane' of lowland Bolivia. M VENTO, J VENTO, WR LEONARD.
55. Market integration, stress, and child health among the Tsimane' of the Bolivian Amazon. C NYBERG, TW MCDADE, WR LEONARD, S TANNER, T HUANCA.
56. A paired comparison of college student physical activity levels in the summer and during the academic year. CE DRAKE, MR JENIKE.
57. Physical activity measured using accelerometry in an indigenous lowland Ecuadorian population. FC MADIMENOS, JJ SNODGRASS, AD BLACKWELL, TJ CEPON, TR GANDOLFO, LS SUGIYAMA.
58. Family determinants of sedentarism in Portuguese children aged 7 to 9 years old. C PADEZ, I MOURÃO, P MOREIRA, V MARQUES.
59. Living conditions and activity patterns of indigenous rural adult males in Oaxaca, México. ME PEÑA-REYES, C GONZÁLEZ-ALVAREZ, RM MALINA.
60. Saliva versus blood in reproductive hormone profiles: problems in interpretation? LC HOUGHTON, GR BENTLEY, RT CHATTERTON.
61. Measurement of inflammatory cytokines in dried blood spot samples by multiplex immunoassay. HUANG Y, TW MCDADE.
62. Development of an enzyme-linked immunosorbent assay (ELISA) for IgA in breast milk and saliva stored on filter paper. EM MILLER, DS MCCONNELL.
63. The effect of a single missed evening meal on morning salivary testosterone in young adult males. BC TRUMBLE, E BRINDLE, KA O'CONNOR.
64. Comparison of urinary PdG and salivary progesterone levels for the assessment of ovarian functioning: a study of nomadic Mongolian herders. T DESCHNER, C DEIMEL, F SCHAEBS, K JURADO, VJ VITZTHUM.
65. Integrative measurement protocol for morphological and behavioral research in human biology. JJ SNODGRASS, SC ANTÓN, C CROWDER, A DI FIORE, DL DUREN, E FERNANDEZ-DUQUE, WR LEONARD, SR LEIGH, FC MADIMENOS, WS MCGRAW, E MIDDLETON, C SCHMITT, RJ SHERWOOD, S STINSON, P STUBBLEFIELD, T TURNER, CR VALEGGIA, FJ WHITE.

11:30 AM

LUNCH BREAK

12:30 PM **OPENING WELCOME**
Gary D James, President of the Human Biology Association
Chicago Ballroom IX

INTRODUCTORY REMARKS
Cynthia M Beall
Chicago Ballroom IX

12:45 PM **PEARL MEMORIAL LECTURE**
Demography, endogamy, consanguinity, and the pace of recent human evolution.
ALAN H BITTLES
Chicago Ballroom IX

1:45–6:00 PM **PLENARY SESSION**
The Past 10,000 Years: Is There a Mismatch between our Environment and our Genes?
Organizers: Cynthia M Beall and Gary D James
Chicago Ballroom IX

Scientists frequently assert that current human biology and environment are mismatched because we remain little changed genetically from our hunting and gathering ancestors owing to the slow pace of evolution and the rapid pace of environmental changes that have occurred since the advent of agriculture some 10,000 years ago. Recent developments in many fields make it possible to go beyond this simple assertion and address the question of how fast we can evolve. For example, what is the evidence for loci that were adaptive during our hunting and gathering past that may now influence modern human variation and vulnerability to disease? Another example concerns the timing and pace of important environmental modifications in the past 10,000 years and the resulting changes in selective forces. New diets and infectious diseases illustrate the reciprocal relationship between human biology and the biotic environment in the past 10,000 years or so. Epigenetic phenomena are emerging as processes that rapidly link the environment with genetics during a lifetime in ways that may require updating existing models of adaptation. Demographic history and processes also strongly influence environmental change and the gene pool.

CHAIR: CYNTHIA M BEALL

1:45 PM Ancient genetic adaptations to climate and current susceptibility to common disease.
MA HANCOCK, D WITONSKY, G ALKORTA-ARANBURU, JK PRITCHARD, G COOP, ANNA DI RIENZO (speaker)

2:15 PM New frameworks of understanding for the origins of agriculture.
BRUCE SMITH

2:45 PM Starch and human evolution.
GH PERRY, NATHAN J DOMINY (speaker)

3:15 PM COFFEE BREAK

- 3:45 PM Mechanisms promoting adaptation in *Anopheles* mosquitoes to life with man and consequences for malaria in Africa.
GREGORY LANZARO
- 4:15 PM How the malarias have molded the human genome.
TOM WELLEMS
- 4:45 PM Epigenetics, imprinting, and human disease susceptibility.
RANDY L JIRTLE
- 5:15 PM Discussant.
RICK KITTLES

THURSDAY, APRIL 2, 2009

8:45–10:00 AM PODIUM SESSION A: Human Behavior and Health

Chair: Michael Grimes

Michigan A&B

- 8:45 AM It's not how you sleep, but how you think you sleep.
LM GERBER, TG PICKERING, K WARREN, AND JE SCHWARTZ
- 9:00 AM Cortisol, but not DHEA, is related to sensation-seeking in young men.
B CAMPBELL, C APICELLA, A DREBER, PB GRAY, D EISENBERG,
J GARCIA, J LUM
- 9:15 AM Symptom experience, discontent and desire to change: the Hilo Women's Health Study.
AM REZA, LL SIEVERT, DE BROWN, LA MORRISON, N RAHBERG
- 9:30 AM Dietary and activity patterns and implications for birth defects in the Chernobyl impacted Rivne-Polissia region of Ukraine.
KD NEEDHAM, L YEVTUSHOK, S LAPCHENKO, W WERTELECKI,
RM GARRUTO
- 9:45 AM Evidence for early appearance of chloroquine-resistant *Plasmodium falciparum* in the Pacific.
CW CHAN, DM REIFF, S MCGRATH, R SPATHIS, RM GARRUTO,
JK LUM
- 10:00 AM COFFEE BREAK**
- 10:15–11:45 AM PODIUM SESSION B: Darwin's Legacy: Human Evolutionary Biology**
Chair: Virginia J Vitzthum
Michigan A&B

- 10:15 AM Trade-offs in immune function and growth in a rural Amazonian village.
AD BLACKWELL, JJ SNODGRASS, FC MADIMENOS, TJ CEPON,
TR GANDOLFO, LS SUGIYAMA
- 10:30 AM Family size and immunocompetence: insights from evolutionary medicine.
K WANDER
- 10:45 AM Evidence for cholesterol function and local climatic adaptation based on
worldwide allele frequency variations of the apolipoprotein E (*APOE*) gene.
DTA EISENBERG, MG HAYES, CW KUZAWA
- 11:00 AM Fatty acid composition of human milk from the Philippines: sources of
variation across the life span.
EA QUINN, CW KUZAWA
- 11:15 AM The marginal valuation of fertility and its implications for reproductive
decision-making.
JH JONES
- 11:30 AM Evolutionary explanations and proximate determinants of variation in
progesterone levels during pregnancy.
VJ VITZTHUM, J THORNBURG, H SPIELVOGEL
- 12:00–1:30 PM HUMAN BIOLOGY ASSOCIATION ANNUAL AWARDS LUNCHEON**
Mayfair Room
- 2:00– 3:30 PM PODIUM SESSION C: Applied Research I**
Chair: Daniel Lende
Michigan A&B
- 2:00 PM Human biology as an applied discipline: theoretical insights from
Colombia and the United States.
D LENDE
- 2:15 PM A biocultural analysis of intergenerational obesity among low-income
families in Buffalo, New York.
RB CADZOW
- 2:30 PM Maternal perception of infant size, feeding practices and weight gain in
African-American infants.
AL THOMPSON, LS ADAIR, ME BENTLEY
- 2:45 PM Culture, daily routines, and patterns of physical activity among Mexican
American residents of West Alabama.
JA DECARO, DA ASHLEY

- 3:00 PM Infant growth, parental obesity, and childhood BMI: 70 years of data from the Fels Longitudinal Study.
EW DEMERATH, D ERICKSON, L SOLOWAY, AC CHOY, M LEE, WC CHUMLEA, RM SIERVOGEL, SA CZERWINSKI, B TOWNE
- 3:15 PM Rapid infant weight gain and the rate of skeletal maturation..
N CAMERON, LL JONES, NL HAWLEY, SA NORRIS, JM PETTIFOR, D DUREN, R SHERWOOD, AC CHOY, WC CHUMLEA, B TOWNE, RM SIERVOGEL, EW DEMERATH
- 3:30 PM COFFEE BREAK**
- 3:45–5:00 PM PODIUM SESSION D: Applied Research II**
Chair: Joan C Stevenson
Michigan A&B
- 3:45 PM Evolutionary ecology of seed and nut allergies.
JC STEVENSON, MJ MOSHER, MS SCHANFIELD, M BRODHAGEN.
- 4:00 PM Sex differences in linear-growth faltering among the Makushi Amerindians of Guyana: female buffering or preferential treatment of daughters?
WM WILSON, J BULKAN
- 4:15 PM An analysis of blood pressure and obesity on a rapidly modernizing Caribbean island.
LE SOLOWAY, EW DEMERATH, RM GARRUTO
- 4:30 PM Effects of environment and seasonality on growth and body habitus of rural adolescents from Amazonian Caboclo populations.
HP SILVA, DE CREWS, GV VEIGA, G KAC, RA PEREIRA
- 4:45 PM Ecotourism and health: A case study of survival in the Ecuadorian Amazon.
LJ FITTON

FRIDAY, APRIL 3, 2009

- 8:00 AM–12:00 PM **JOINT AAPA/HBA SYMPOSIUM**
Detecting Natural Selection in Humans.
Organizer: Stephen T McGarvey
Chicago Ballroom IX
- 8:00 AM Natural selection: its meaning, its anthropology, and how it works.
KM WEISS, BW LAMBERT

- 8:15 AM Selection, drift, and geography in recent human evolution.
G COOP, JK PICKRELL, S KUDARAVALLI, J NOVEMBRE, RM MYERS, LL CAVALLI-SFORZA, MW FELDMAN, JK PRITCHARD
- 8:30 AM Issues in detecting natural selection in humans.
J AKEY
- 8:45 AM Genetics, selection, perception and the human face.
MD SHRIVER, D LIBERTON, K MATTHES, J BOSTER, DA PUTS
- 9:00 AM Characterizing the effects of background selection in the human genome.
R HERNANDEZ, M PRZEWORSKI
- 9:15 AM Evolution and natural selection of skin color.
EJ PARRA
- 9:30 AM Natural selection for adiposity and metabolic traits.
ST MCGARVEY
- 9:45 AM Natural selection and high altitude.
LG MOORE, M WILSON, CG JULIAN, A BIGHAM, M SHRIVER
- 10:00 AM Natural selection and alcohol.
H LI, S GU, JR KIDD, KK KIDD
- 10:15 AM Discussant.
L JORDE

AUTHOR/SESSION INDEX

The first author's name (or speaker's, denoted by *) is followed by the session [P: Poster (Wed, 8:30–11:30 AM, River Exhibition Hall B), Pearl Memorial Lecture (Wed, 12:45–1:45 PM, Chicago Ballroom IX), Plenary (Wed, 1:45–5:30 PM, Chicago Ballroom IX), A: Podium (Thurs, 8:45–10:00 AM, Michigan A&B), B: Podium (Thurs, 10:15–11:45 AM, Michigan A&B), C: Podium (Thurs, 2:00–3:30 PM, Michigan A&B), and D: Podium (Thurs, 3:45–5:00 PM, Michigan A&B)] and the slot within that session (starting time for podium; board number for poster).

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Demerath, Ellen	C	3:00	Reza, Angela	A	9:15
Deschner, Tobias	P	64	Rogers, Nikki	P	12
Di Rienzo, Anna*	Plenary	1:45	Rubicz, Rohina	P	5
Dominy, Nathaniel*	Plenary	2:45	Rudzik, Alanna	P	28
Drake, Cynthia	P	56	Rutherford, Julianne	P	20
DuBois, L Zachary	P	51	Ryan, Alan	P	48
Eisenberg, Dan	B	10:45	Schell, Lawrence	P	46
Estrin, Alejandra	P	34	Shugart, Margaret	P	40
Fitton, Lori	D	4:45	Sievert, Lynnette	P	21
Gandolfo, Tiffany	P	2	Silva, Hilton	D	4:30
Garcia, Justin	P	10	Smith, Bruce	Plenary	2:15
Gerber, Linda	A	8:45	Snodgrass, Josh	P	65
Gooden, Lindsey	P	27	Soloway, Laura	D	4:15
Gray, Peter	P	11	Stevenson, Joan	D	3:45
Guyton, Amanda	P	14	Sweet, Elizabeth	P	50
Hojo, Teruyuki	P	1	Thompson, Amanda	C	2:30
Houghton, Lauren	P	60	Thornburg, Jonathan	P	13
Howell, Diana	P	52	Trumble, Benjamin	P	63
Huang, Yuan-yen	P	61	van Berge-Landry, Helene	P	49
James, Gary	P	44	Vento, Melanie	P	54
Jirtle, Randy	Plenary	4:45	Vilar, Miguel	P	6
Johnston, Susan	P	29	Vitzthum, Virginia	B	11:30
Jones, James	B	11:15	Wander, Katherine	B	10:30
Jurado, Kellie	P	18	Wellems, Thomas	Plenary	4:15
Langenberg, Colby	P	17	Williams, Heather	P	31
Lanzaro, Gregory	Plenary	3:45	Williams, Sharon	P	42
Lemke, Andrea	P	9	Wilson, Warren	D	4:00
Lende, Daniel	C	2:00	Zidron, Amy	P	35