

## Baikal–Hokkaido Archaeology Project Contributions to Research Dissemination and Communication

This document lists all publications, presentations and other dissemination contributions by BHAP members from 2011–2014. Publications are categorized by year, type and listed by author (alphabetical order), with BHAP members underlined. Detailed accounts of BHAP workshops, business meetings and conferences are listed separately and found on pages 23-32.

### 2014

#### REFEREED CONTRIBUTIONS

##### *Books edited works (2 in total)*

- Cummings V, Jordan P and M. Zvelebil. (eds.) 2014. *The Oxford Handbook of the Archaeology and Anthropology of Hunter-Gatherers*. Oxford: Oxford University Press.
- Okada M. and Kato H. (eds.) 2014. *Indigenous Heritage and Tourism: Theories and Practices on Utilizing the Ainu Heritage*. Center for Ainu and Indigenous Studies, Hokkaido University, Sapporo.

##### *Book chapters (7 in total)*

- Kubo D, Tanabe CH, Kondo O, Ogihara N, Yogi A, Murayama S, Ishida H. Cerebellar size estimation from endocranial measurements: an evaluation based on MRI data. In: Akazawa T, Ogihara N, Tamabe CH, Terashima H. (eds.) *Dynamics of Learning in Neanderthals and Modern Humans*, Volume 2, Cognitive and Physical Perspectives, Replacement of Neanderthals by Modern Humans Series, Tokyo: Springer Japan, 209-215, 2014.
- Jordan P and V. Cummings. 2014. Introduction. In: Cummings, V, Jordan P and M. Zvelebil 2014. (eds.). *The Oxford Handbook of the Archaeology and Anthropology of Hunter-Gatherers*. Oxford: Oxford University Press. pp 1-29.
- Jordan P, and V. Cummings. 2014. Analytical Frames of Reference in Hunter-Gatherer Research. In: Cummings, V, Jordan P and M. Zvelebil 2014. (eds.). *The Oxford Handbook of the Archaeology and Anthropology of Hunter-Gatherers*. Oxford: Oxford University Press. pp 33-42.
- Jordan P, and V. Cummings. 2014. Prehistoric Hunter-Gatherer Innovations. In: Cummings, V, Jordan P and M. Zvelebil 2014. (eds.). *The Oxford Handbook of the Archaeology and Anthropology of Hunter-Gatherers*. Oxford: Oxford University Press. pp 585-606.
- Jordan P. 2014. The Ethnohistory and Anthropology of ‘Modern’ Hunter-Gatherers. In: Cummings, V, Jordan P and M. Zvelebil 2014. (eds.). *The Oxford Handbook of the Archaeology and Anthropology of Hunter-Gatherers*. Oxford: Oxford University Press. pp 903-917.
- Jordan P, and V. Cummings. 2014. New Approaches in the Study of Hunter-Gatherers. In: Cummings, V, Jordan P and M. Zvelebil 2014. (eds.). *The Oxford Handbook of the Archaeology and Anthropology of Hunter-Gatherers*. Oxford: Oxford University Press. pp 1093-1109.
- Kato H. 2014. Koukogaku shiryō kara Minzoku wa dou egakeruka (How can we describe the Ethnic group based on Archaeological resources), In: *Koukogaku Kenkyukai 60 shūnen Kinenshi Koukogaku kenkyū 60 no Ronten (The 60<sup>th</sup> Anniversary of the foundation of Society of Archaeological Studies: the 60 issues for Archaeological Studies)*, Kokogaku Kenkyukai (Society of Archaeological Studies), pp. 93-94 Okayama, JAPAN.

##### *Articles in scholarly refereed journals (13 in total)*

- Bezrukova EV, Belov AV, Letunova P, Kulagina NV. The response of the environment of the Angara–Lena Plateau to global climate change in the Holocene // *Russian Geology and Geophysics*, 2014, v. 55, p. 463–471.
- Bronk Ramsey C, Schulting RJ, Goriunova OI, Bazaliiskii VI and Weber AW. 2014. Analyzing radiocarbon reservoir offsets through stable nitrogen isotopes and Bayesian modeling: A case study using paired human and faunal remains from the Cis-Baikal region, Siberia. *Radiocarbon* 56(2): 789-799.
- Faccia K, Buie H, Bazaliiskii VI, Goriunova OI, Boyd S, Hallgrímsson B, and Katzenberg MA. Bone Quality In Prehistoric, Cis-Baikal Forager Femora: A Micro-CT Analysis of Cortical Canal Microstructure. *American Journal of Physical Anthropology*, Early View.
- Miyazato E, Yamaguchi K, Fukase H, Ishida H, Kimura R. Comparative analysis of facial morphology between Okinawa Islanders and mainland Japanese using three-dimensional images. *American Journal of Human Biology*. 2014. DOI: 10.1002/ajhb.22560. (May 17th, online publication).
- Silva J, Steele J, Gibbs K, Jordan P. 2014. Modeling Spatial Innovation Diffusion from Radiocarbon Dates and Regression Residuals: The Case of Early Old World Pottery. *Radiocarbon*, Vol 56, Nr 2, 2014, pp 723–732.
- Lieverse AR, Pratt IV, Schulting RJ, Cooper DML, Bazaliiskii VI, Weber AW. 2014. Point taken: An unusual case of incisor agenesis and mandibular trauma in early Bronze Age Siberia. *International Journal of Paleopathology* 6:53-59.
- Losey RJ, Jessup E, Nomokonova T, Sablin, M. 2014. Craniomandibular Trauma and Tooth Loss in Northern Dogs and Wolves: Implications for the Archaeological Study of Dog Husbandry and Domestication, *PLoS One* (9) 6, pp1-16, e99746.

- Lozey RJ, Osipov B, Sivakumaran R, Nomokonova T, Kovychev EV, Diatchina NG. 2014. Estimating body mass in dogs and wolves using cranial and mandibular dimensions: application to Siberian canids. *International Journal of Osteoarchaeology* DOI: 10.1002/oa.2386.
- Hirata D, Abramov AV, Baryshnikov GF, and Masuda R. 2014. Mitochondrial DNA haplogrouping of the brown bear, *Ursus arctos* (Carnivora: Ursidae) in Asia, based on a newly developed APLP analysis. *Biological Journal of the Linnean Society* 111: 627-635. (DOI: 10.1111/bij.12219)
- Ou W, Takekawa S, Yamada T, Terada C, Uno H, Nagata J, Masuda R, Kaji K, and Saitoh T. 2014. Temporal change in the spatial genetic structure of a sika deer population with an expanding distribution range over a 15-year period. *Population Ecology* 56: 311-325 (DOI: 10.1007/s10144-013-0425-y).
- Müller S, Tarasov PE, Hoelzmann P, Bezrukova EV, Kossler A, Krivonogov SK. 2014. Stable vegetation and environmental conditions during the Last Glacial Maximum: New results from Lake Kotokel (Lake Baikal region, southern Siberia, Russia). *Quaternary International*, <http://dx.doi.org/10.1016/j.quaint.2013.12.012>, published online.
- Sato T, Khenzykhenova F, Simakova A, Danukalovan G, Morosova E, Yoshida K, Kunikita D, Kato H, Suzuki K, Lipnina E and Medvedev G. 2014. Paleoenvironment of the Fore-Baikal region in the Karginian interstadial: Results of the interdisciplinary studies of the Bol'shoj Naryn site. *Quaternary International* 333: 146-155.
- Temple DH, Bazaliiskii VI, Goriunova OI, Weber AW. 2014. Skeletal growth in Early and Middle Holocene foragers from the Cis-Baikal region of East Siberia. *American Journal of Physical Anthropology*, Vol. 153:377–386.

## OTHER REFEREED CONTRIBUTIONS

### Conference proceedings (3 in total)

- Clarke MR, Lieverse AR, Robertson EC, Bazaliiskii VI, Goriunova OI, Weber AW. 2014. An exploration of the utility of dental calculus in the study of diet in the middle Holocene Cis-Baikal. *American Journal of Physical Anthropology* Supplement 58:94.
- Purchase SL, Lieverse AR, Bazaliiskii VI, Weber AW. 2014. Culture change and the relationships between infection and stress in the middle Holocene Cis-Baikal. *American Journal of Physical Anthropology* Supplement 58:212.
- Sato T. 2014. Dogs and Jomon people, In: Nishida I. (ed.), *Proceedings of the Higashimyou Symposium: The Jomon people and their real life revealed from shell mound remains*, Saga: Saga board of education, pp.74-92 (in Japanese).

**Conference presentations (10 in total) Note:** Does not include presentations at the BHAP *International Workshop* held at University of Alberta May, 2014 and the BHAP *Core-to-Core Meeting for Physical Anthropology Section* held in Sapporo January, 2014. See pages 23-32 for details.

- Kato H. 2014. Rebut To Kokusai Firudo Sukuru wo tsujita Netowa-ku no Kouchiku (Construction of International Research Network through the International Field School in Rebut Island), *Kokusai Sinpojiumu Kitataiheiyo Engan Shosenjyumin Bunka no Hikaku Kenkyu: Senjyu Ken to Kaiyo Shigen no Riyo wo Chushin ni (International Symposium Comparative Studies for Indigenous Culture around Northern Pacific Rim: Focusing on Indigenous Right and Utilization of Marine Resources)*, National Museum of Ethnology, Suita, Japan, 12<sup>th</sup> January 2014.
- Lieverse AR, Bazaliiskii VI, Weber AW. 2014. Death by twins: an early case of dystocic childbirth in Neolithic Siberia. Paper presented at the 41<sup>st</sup> annual meeting of the Paleopathology Association, Calgary, AB, 08-09 April 2014.
- Lieverse AR. 2014. Death in the Cis-Baikal: Three remarkable examples of suffering and demise during the Siberian middle Holocene. *Keynote address for the APALA Undergraduate Anthropology Conference*, Saskatoon, SK, Canada, 18 Jan 2014.
- Lozey R, Harrington L. 2014. Identifying sled dogs through bone functional adaptation studies. *Society for American Archaeology Annual Meeting*, Austin, Texas, U.S.A.
- Kurozumi T, Sato T, Nara T, Watanabe T, Sawada J, Sawaura R, Yoshinaga A, Chiba T, Kanai A, Takeuchi S and Hirasawa Y. 2014. Land molluscan assemblage of the Last Glacial Maximum and later changes at the northern end of Honshu, Japan. *2014 Annual Meeting of the Malacological Society of Japan*. Osaka Museum of Natural History, Osaka. April.
- Takeuchi S, Kanai A, Hirasawa Y, Sawaura R, Chiba T, Sawada J, Watanabe T, Suzuki T, Sato T and Nara T. (Feb.1, 2014) Shitsukari-Abe Cave site, Aomori Prefecture. *27<sup>th</sup> Annual Meeting of the Association for Studies of the Paleolithic Cultures in the Tohoku District of Japan*. Hokkaido University, Sapporo.
- Scharlotta I. 2014. Differentiating migration and mobility: Comparing the spatial and temporal resolution of bulk and micro-sampled geochemical data of middle Holocene hunter-gatherers. Paper to be presented at the 20<sup>th</sup> annual meeting of the *European Association of Archaeologists*, Istanbul, Turkey. September 10-14, 2014.
- Shepard B. 2014. Changes in Mobility Patterns and Community-Level Integration in Southern Siberia during the Middle Holocene. Presented at the "People in Motion: Mobility, Migration, and Exchange." *4<sup>th</sup> Annual UCLA Cotsen Institute of Archaeology Graduate Research Conference*, UCLA.
- Yoneda M. 2014. Radiocarbon dating on bones: Lessons from some recent studies in Japan. *Workshop Radiocarbon in Japanese Archaeology*. Sainsbury Institute for the Study of Japanese Arts and Cultures (Nowrich, 8 April).
- Yoneda M. 2014. Isotopic study on feeding ecology of Jomon populations on the coast of Sea of Japan. *The 80th Annual Meeting of Japanese Archaeological Association* (Tokyo, 18 May).

### **Posters (3 in total)**

Clarke MR, Lieverse AR, Robertson EC, Bazaliiskii VI, Goriunova OI, Weber AW. 2014. An exploration of the utility of dental calculus in the study of diet in the middle Holocene Cis-Baikal. Poster presented at the 83<sup>rd</sup> annual meeting of the American Association of Physical Anthropologists, Calgary, AB, 09-12 April, 2014.

Purchase SL, Lieverse AR, Bazaliiskii VI, Weber AW. 2014. Culture change and the relationships between infection and stress in the middle Holocene Cis-Baikal. Poster presented at the 83<sup>rd</sup> annual meeting of the American Association of Physical Anthropologists, Calgary, AB, 09-12 April, 2014.

Thompson J, Temple DH. 2014. Evaluating the sensitivity of skeletal growth parameters to systemic stress in foragers from Cis-Baikal, Eastern Siberia. *Paleopathology Association Newsletter*.

### **NON-REFEREED CONTRIBUTIONS**

#### **Articles in trade journals (3 in total)**

Clarke MR, Lieverse AR, Robertson EC, Bazaliiskii VI, Goriunova OI, Weber AW. 2014 An Exploration of the Utility of Dental Calculus in the Study of Diet in the Middle Holocene Cis-Baikal, *Canadian Association of Physical Anthropology (CAPA) Spring Newsletter* Vol. 2014 Issue 1.

Purchase SL, Lieverse AR, Bazaliiskii VI, Weber AW. Non-specific Infection and Physiological Stress in Middle Holocene Cis-Baikal, Siberia *Canadian Association of Physical Anthropology (CAPA) Spring Newsletter* Vol. 2014 Issue 1.

Yoneda M and T Nara. 2014. Dietary reconstruction of human remains from the Katsuyamadate site by carbon and nitrogen isotopes. Report on the *Kakenhi Project on "Medieval Northern Trading and Domestration of Ezo region"*. Pp. 179-182.

### **OTHER RESEARCH CONTRIBUTIONS**

#### **Classroom and public lectures (4 in total)**

Kato H. 2014. Who are Ainu and whose heritage?: Current issues in Hokkaido Archaeology", *Seminar in Department of Archaeology, University of Uppsala*, Uppsala, 13th March 2014.

Kato H. 2014. Current issues around Ainu and Ainu Japanese Archaeology", *Asian Archaeology, Art and Culture Seminar Series, Oxford Centre for Asian Archaeology, Art and Culture, School of Archaeology, Oxford University*. 19th Feb. 2014.

Sato T. 2014. Special lecture on archaeology and ethnology (An introduction to zooarchaeology), Special lecture on archaeology and ethnology (Zooarchaeological world), *Seminar for undergraduate students, Seminar for graduate students, Exercise in Museology Keio University* (2011-2014).

Weber AW. 2014. Revisions to middle Holocene hunter-gatherer chronology in the Baikal region of Siberia: Freshwater reservoir effect. *Baikal-Hokkaido Archaeology Project, Graduate Student Seminars, University of Alberta*, Jan 29, 2014.

#### **Other public activities (excluding lectures) (1 in total)**

Sato T. 2014. The exhibition titled "Open Jomon!" at the *Minato City Local History Museum* (Jan. 6 – Feb. 19, 2014).

#### **Media dissemination (radio, television, online articles) (4 in total)**

Lieverse AR. 2014. <http://www.rcinet.ca/en/2014/07/02/an-ancient-killing-reveals-genetic-anomaly/>

Lieverse AR. 2014. <http://phys.org/news/2014-06-siberian-bronze-age-skull-reveals.html>

Lieverse AR. 2014. <http://www.heritagedaily.com/2014/07/siberian-bronze-age-skull-reveals-secrets-of-ancient-society/103922>

Lieverse AR. 2014. [http://www.lightsource.ca/news/media\\_release\\_20140611.php](http://www.lightsource.ca/news/media_release_20140611.php)

#### **Visiting research positions (1 in total)**

McKenzie HG. 2014. Adjunct Professor in Department of Archaeology and Anthropology, University of Saskatchewan.

#### **Forthcoming Contributions (26 in total)**

Faccia K, Waters-Rist AL, Lieverse AR, Bazaliiskii VI, Stock JT, Katzenberg MA. n.d. Diffuse idiopathic skeletal hyperostosis (DISH) in a middle Holocene forager from Lake Baikal, Siberia: potential causes and the effect on quality of life. *International Journal of Paleopathology*. Submitted and under revision.

Faccia K, Buie H, Bazaliiskii VI, Goriunova OI, Boyd S, Hallgrímsson B, Katzenberg MA, Weber AW. Bone Quality In Prehistoric, Cis-Baikal Forager Femora: A Micro-CT Analysis of Cortical Canal Microstructure. *American Journal of Physical Anthropology*. In press.

Hudson M. Artifacts and hyperobjects in the Anthropocene, *Journal of Contemporary Archaeology*. In press.

M. Aoyama, Hudson M. No better medicine: health in American environmental writing, *EcoHealth* In press.

Hudson M. Global environmental justice and the environment in Japanese archaeology. *Nature and Culture*. Conducting minor revisions for re-submission.

Jordan P. *Technology as Human Social Tradition: Cultural Transmission among Hunter-Gatherers*. Berkeley: University of California Press. 370 pages. December 2014/In press.

- Lieverse AR, Bazaliiskii VI, Weber AW. n.d. Death by twins: a remarkable case of dystocic childbirth in Early Neolithic Siberia. *Antiquity*. In press.
- Lieverse AR, Faccia K, Waters-Rist AL, Antonova A, Vahdati Nasab H, Haverkort CM, Schulting R. n.d. Demography, health, and activity at the early Neolithic cemetery of Shamanka II. In: Bazaliiskii VI, Losey R, Weber AW, Lieverse AR (editors) *Shamanka II, An Early Neolithic Cemetery on Lake Baikal* (in Russian). Irkutsk. Submitted translation in progress.
- Losey RJ, Nomokonova T, and NA Savel'ev. Radiouglerodnoe datirovanie i fauna mnogoslinoi stoianki Bugul'deika II na Baikale (po materialam raskopok 2006-2008 gg.) [Radiocarbon dating and fauna of the Bugul'deika II site from Lake Baikal region (excavations of 2006-2008)]. *Izvestiia IGU. Serii Geoarkheologiya, Etnologiya, Antropologiya* [in Russian] In press.
- Losey RJ, Nomokonova T, and OI Goriunova. Rekonstruktsiia razmerov sorogi (*Rutilus rutilus lacustris*) iz arkhelogicheskiikh stoianok ozera Baikal (formuly dlia vychisleniia cherez regressiionnyi analiz) [Roach size reconstruction (*Rutilus rutilus lacustris*) from archaeological sites on Lake Baikal (formulas for estimating the total lengths through regression analyses)]. *Izvestiia IGU. Serii Geoarkheologiya, Etnologiya, Antropologiya* [in Russian]. In press.
- Losey RJ, Katzenberg MA, and T Nomokonova. Middle Holocene Fishing and Hunting in the Baikal Region of Siberia. *Oxford Manual of the Archaeology of Diet*. J. Lee-Thorp and A. Katzenberg, eds. Oxford Univ. Press, Oxford. In press.
- Losey RJ, Nomokonova T, and NA Savel'ev. Humans and animals at Bugul'deika II, a trans-Holocene habitation site on the shores of Lake Baikal, Russia. *Quaternary International*. Submitted.
- Losey RJ, Jessup E, Nomokonova T, and M Sablin. Trauma and tooth loss in the crania and mandibles of Northern dogs and wolves. *PLoS ONE*. Submitted.
- Lynch S, Weber AW. Obsidian resource use from the Jomon to Okhotsk period on Rebut Island: an analysis of archaeological obsidian. Submitted to *Journal of Anthropological Science*.
- Nomokonova T, Losey RJ, Goriunova OI, and VI Bazaliiskii. Perception of seals (*Phoca sibirica*) among CisBaikal populations (Holocene, Eastern Siberia). *Archaeology, Ethnography, and Anthropology of Eurasia* [in Russian and English]. Submitted.
- Sato T, Hashimoto M, Abe Y and Ando H. Re-discovery of Kamikuroiwa Rock Shelter Dog Burial Bones. *Anthropological Science*. Submitted.
- Komiya H, Sawada J, Saeki F and Sato T. Morphological Characteristics of Dog Bones excavated from the Kamikuroiwa Rock Shelter site, Ehime Prefecture, Japan. *Anthropological Science*. Submitted.
- Masuda R and Sato T. Mitochondrial DNA analysis of the Jomon dogs from the Kamikuroiwa Rock Shelter site in Shikoku and the Higashimyo site in Kyushu, Japan. *Anthropological Science*. Submitted.
- Gakuhari T, Komiya H, Sawada J, Anezaki T, Sato T, Kobayashi K, Ito S, Kobayashi K, Matsuzaki H, Yoshida K and Yoneda M. Radiocarbon dating of a human remains and dog burials from the Kamikuroiwa Rockshelter. *Anthropological Science*. Submitted.
- Schulting RJ, Bronk Ramsey C, Goriunova OI, Bazaliiskii VI, Weber AW. n.d. Freshwater reservoir offsets investigated through paired human-faunal <sup>14</sup>C dating and stable carbon and nitrogen isotope analysis at Lake Baikal, Siberia. Submitted to *Radiocarbon*. In press.
- Scharlotta I and AW Weber. 2014. Mobility of middle Holocene foragers in the Cis-Baikal region, Siberia: Individual life history approach, strontium ratios, rare earth and trace elements. In press. *Quaternary International: Special Issue - Bridging Eurasia: Modes of mobility and sustainability in Central and East Asia since the Last Glacial Maximum*.
- Waters-Rist AL, Faccia K, Lieverse AR, Bazaliiskii VI, Katzenberg AM, Losey RJ n.d. Multicomponent analyses of a hydatid cyst from an Early Neolithic hunter-fisher-gatherer from Lake Baikal, Siberia. *Journal of Archaeological Science*. Submitted and under review.
- Weber AW, Schulting RJ, Bronk Ramsey C and Bazaliiskii VI. Geochemical data from the Shamanka II Early Neolithic cemetery on southwest Baikal: Chronological and dietary patterns. In *Shamanka II: An Early Neolithic Cemetery on Lake Baikal, Siberia*. Submitted.
- Kozyrev AS, Shchetnikov A, Klementyev AM, Filinov IA, White D, Fedorenko AB. The Early Upper Palaeolithic of the Tunka Rift Valley, Lake Baikal region, Siberia. *Quaternary International*. In Revision.
- Wagner M, Jin G, and Tarasov PE (guest editors). "Bridging Eurasia: Modes of mobility and sustainability in Central and East Asia since the Last Glacial Maximum revealed by archaeological and environmental records" in *Quaternary International: Special Issue - Bridging Eurasia: Modes of mobility and sustainability in Central and East Asia since the Last Glacial Maximum*. In press.
- Tsutaya T, YI Naito, H Ishida, M. Yoneda Carbon, nitrogen, and sulfur isotope analyses on human and dog diet in the Okhotsk culture: perspectives from the Moyoro, Japan. *Anthropological Science*. In press.

#### Articles in preparation for publication 2014–15 (24 in total)

- Bazaliiskii VI, Goriunova OI. In preparation for publication of two volumes: monographs on Early Neolithic burial Shamanka II (Volume 1: 275. - Text 250. - 438 tables and illustrations, Volume 2: Russian translation of chapters and Lieverse AR and Losey, R (p. 100).
- Bazaliiskii VI. Finalize and publish two volumes of monographs on burial Shamanka II.

- Goriunova OI, Novikov AG, Vorobiev, GA, Weber AW, Nomokonova T, Losey RJ. Preparation of chapters to the monograph on multilayer settlement Sagan-Zaba II.
- Moussa N, Mooder K, Weber AW, Bamforth F. Maternal and paternal background of two late Neolithic-Early Bronze Age Populations of Hunter-gatherer Cemeteries in Lake Baikal, Siberia. In prep *American Journal of Physical Anthropology*.
- Suzuki S, Kimura R, Yamaguchi K, Sunagawa M, Shindo M, Tsurumoto T, Yoneda M, Nagaoka T, Ishida H. Degenerative changes of appendicular joints of five prehistoric and historic populations from the Japan Islands. *QI Special Issue*. In prep.
- Okamoto Y, Fukase H, Nagaoka T, Sato T, Adachi N, Kimura R, Yoneda M, Tsuchiya N, Murayama S, Ishida H. Possible SAPHO syndrome case of a mature female human skeleton from Hamanaka 2 site, Rebun, Japan. *International Journal of Osteoarchaeology* (in preparation).
- Jordan P et al. In prep. Paper on pottery residues from Sakhalin. *Journal TBC (Antiquity)*.
- Gibbs, K. and P Jordan (eds.). In prep for 2015/16 and now under contract. *Circumpolar Ceramics: Pottery Technology and the Foraging Spectrum*. Cambridge: Cambridge University Press. [this is from the SAA Hawaii session in April 2013]
- Lieverse AR, Temple DH, Bazaliiski VI. n.d. Paleopathological description and diagnosis of a metastatic carcinoma in a 4500 year old hunter-gatherer from Siberia. In preparation, to be submitted to *PLOS One* by June 2014.
- Mack B, Lieverse AR, Bazaliiskii VI, Weber AW. Revisiting osteoarthritis in the middle Holocene Cis-Baikal. In prep. to be submitted September 2014 to *Quaternary International* (special issue on Bioarchaeology of Northeast Asia).
- Losey RJ. Monograph on the zooarchaeology of Holocene Cis-Baikal, currently in progress, with Dr. T. Nomokonova et al.
- Lynch S, Duke JM, Locock A, Weber AW. Evaluating the Applicability of Portable-XRF Analyses on Hokkaido Obsidian. (In progress) for *Archaeometry*.
- Nomokonova T, Losey RJ, Weber AW, Goriunova OI and AG Novikov. Baikals seals and hunters at Sagan-Zaba Cove, Siberia. *Journal of Archaeological Anthropology*. 27 pages. In prep.
- Nomokonova T and RJ Losey. Ethnoanatomy of Baikal seals. *Journal of Archaeological Anthropology*. 31 pages. In prep.
- Harrington L and Osipov B. 2014. The Developing Forager: Reconstructing Childhood Activity Patterns from Long Bone Cross-sectional Geometry in *The Oxford Handbook of the Archaeology of Childhood*. Oxford University press. 30 pages.
- Osipov B, Temple DH, Libby C, Harrington L. A comparative study of bone strength ontogeny in Northeast Asian hunter-gatherer groups. *Quaternary International*. 30 pages.
- Purchase S. Visual skeletal inventory for an appendix, *Shamanka II Monograph*, in progress.
- Scharlotta I, Bazaliiskii VI, Lieverse AR, Weber AW. Social consequences of increased reliance on fishing in middle Holocene Cis-Baikal: relating fishing gear, axes, and social status at the Shamanka II cemetery, Lake Baikal, Siberia. In preparation for *Quaternary International: Special Issue –Comparative Perspectives on the Hunter-Gatherer Archaeology of Northeast Eurasia* (also likely to be modified for both the Russian and English versions of SHA II monograph)
- Schulting RJ, Yoneda M, and Weber AW. Hunter-gatherers in a northern ‘maritime’ zone: a comparison of stable carbon and nitrogen isotopes from Baikal and Hokkaido. In prep. *Quaternary International*. Paper to be submitted September 2014.
- Shepard B. 15 pgs, *Cambridge Journal of Archaeology*. In prep.
- Shepard B. 15 pages, *Quaternary International*. In prep.
- Temple DH. (in prep) Stress chronology and periodicity in Late/Final Jomon period people from Hokkaido: a comparative study. *Quaternary Science*. (Invited Contribution). In review.
- Weber AW, Schulting RJ, Bronk Ramsey C, Goriunova OI, Bazaliiskii VI. n.d. Chronology of middle Holocene hunter-gatherers in the Cis-Baikal region of Siberia: Corrections based on examination of the freshwater reservoir effect. In preparation for *Quaternary International*.
- Waters-Rist AL, Bazaliiskii VI, Goriunova OI, Weber AW, Katzenberg MA. to be submitted summer 2014. Evaluating the Biological Discontinuity Hypothesis of Cis-Baikal Early versus Late Neolithic/Bronze Age Populations using Dental Non-Metric Traits. To be submitted to *Quaternary International for the special issue on the Bioarchaeology of Northeast Asia*.
- Waters-Rist AL, Bazaliiskii VI, Goriunova OI, Weber AW, Temple D, Katzenberg MA. to be submitted 2015. Enamel Hypoplasia Evidence for Differential Seasonal Stress in mid-Holocene Hunter-Fisher-Gatherers from Cis-Baikal, Siberia. To be submitted to *The American Journal of Physical Anthropology*.

## 2013

### REFEREED CONTRIBUTIONS

#### *Books edited works (3 in total)*

- Hudson M, Iwawaki A. and M Watson (eds.) 2013. *Beyond Ainu Studies: Changing Academic and Public Perspectives*, Hawai'i U Press.
- Kato H and Suzuki K. (eds.) 2013. *Atarashii Ainushi no Kochiku: Sensh-heni, Kodai-hen, Chusei-hen” (Construction of New Ainu History: Prehistoric, Ancient and Medieval periods)*, Hokkaido Daigaku, Ainu-Senjyumin Kenkyu Sentaa (Center for Ainu & Indigenous Studies, Hokkaido University), 221 pages, Sapporo, JAPAN.
- Kato H and Yamamura T. (eds.) 2013 “*Senjyumin Bunkaisan to Tourism: Ainu minzoku niokeru Bunkaisan no Katsuyo no Riron to Jitsen (Indigenous Cultural Heritage and Tourism: Theory and Practice on Utilizing the Cultural Heritage of Ainu)*”, Hokkaido Daigaku, Ainu Senjyumin Kenkyu Sentaa (Center for Ainu & Indigenous Studies, Hokkaido University),

160 pages, Sapporo, JAPAN.

### **Monographs (1 in total)**

Andreev AA, Tarasov PE. 2013. Northern Asia. In: Elias S.A. (ed.) *The Encyclopedia of Quaternary Science*, vol. 4, pp. 164-172. Amsterdam, Elsevier.

### **Book chapters (8 in total)**

Losey RJ, Bazaliiskii VI, Lieverse AR, Waters-Rist AL, Faccia K, Weber AW. 2013. The bear-able likeness of being: Ursine remains at the Shamanka II Cemetery, Lake Baikal, Siberia. In: C Watts (ed.), *Relational archaeologies: Humans, animals, things*. Routledge. ISBN: 978-0-415-52531-2.

Hudson M. 2013. The ethnohistory and anthropology of 'modern' hunter-gatherers: North Japan (Ainu). In: Vicki Cummings, Peter Jordan and Marek Zvelebil, eds. *The Oxford Handbook of the Archaeology and Anthropology of Hunter-Gatherer Societies* (Oxford: Oxford University Press).

Hudson M. 2013. Ainu and hunter-gatherer studies. In: Mark Hudson, ann-elise lewallen and Mark Watson, eds. *Beyond Ainu Studies: Changing Academic and Public Perspectives* (Hawai'i U Press).

Hudson M. 2013. Japan: archaeology. In: I. Ness, ed. *The Encyclopedia of Global Human Migration*, Volume 1 Prehistory. Wiley-Blackwell.

Kato H. 2013. The Hokkaido sequence and the archaeology of the Ainu people. In: C. Smith ed. *The Encyclopedia of Global Archaeology*, Springer, New York, DOI 10.1007/978-1-4419-0465-2.

Kato H. 2013. Haka no Tanjyo to Sousou Girei (The emergence of Burial and Funeral ritual). In: S. Habuta ed. *Haka no Koukogaku (The Archaeology of Burial)*, pp. 22-28, Yoshikawa Koubunkan, Tokyo.

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### **Special issues of scholarly refereed journals (2 in total)**

Tarasov PE, White D and Weber AW. (Editors). 2013. The Baikal–Hokkaido Archaeology Project: Environmental Archives, Proxies and Reconstruction Approaches. *Quaternary International*, Special Issue, Vol. 290–291, 1–358 (23 papers).

Weber AW and Zvelebil M. (Editors). 2013. Human bioarchaeology: group identity and individual life histories. *Journal of Anthropological Archaeology*, Special Issue Vol. 32(6) (7 papers).

### **Articles in scholarly refereed journals (36 in total)**

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- Sato T. 2013. Deer-sending rituals of the medieval and the early modern Ainu. *Zooarcheology* 30:136–151(in Japanese with English abstract).
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- Weber AW, Jordan P and Kato H. 2013. Environmental change and cultural dynamics of Holocene hunter–gatherers in Northeast Asia: Comparative analyses and research potentials in Cis-Baikal (Siberia) and Hokkaido (Japan). *Quaternary International*, Special Issue, Vol. 290–291: 3–20.
- Weber AW and Goriunova OI. 2013. Hunter–gatherer migrations, mobility and social relations: A case study from the Bronze Age Baikal region, Siberia. In *Human bioarchaeology: group identity and individual life histories*, AW Weber and M Zvelebil (editors) *Journal of Anthropological Archaeology* Special Issue, Vol. 32(6):330–346.
- Kravchinsky VA, Langereis CG, Walker SD, Dlusskiy KG, White D. 2013. Discovery of Holocene millennial climate cycles in the Asian continental interior: Has the sun been governing the continental climate? *Global and Planetary Change* 110(C), 386–396.

- White D, Preece RC, Shchetnikov AA, Dlussky KG. 2013. Late Glacial and Holocene environmental change reconstructed from floodplain and aeolian sediments near Burdukovo, Lower Selenga River Valley (Lake Baikal region), Siberia. *Quaternary International* 290-291, 68–81.
- Naito YI, Y Chikaraishi, N Ohkouchi, M Yoneda. 2013. Evaluation of carnivory in inland Jomon hunter-gatherers based on nitrogen isotopic composition of individual amino acids in bone collagen *Journal of Archaeological Science* 40:2913-23.
- Tsutaya T and M Yoneda. 2013. Quantitative reconstruction of weaning ages in archaeological human populations using bone collagen nitrogen isotope ratios and approximate Bayesian computation. *PLoS One* 8(8), e72327.
- Zvelebil M and Weber AW. 2013. Human bioarchaeology: group identity and individual life histories – Introduction. *Journal of Anthropological Archaeology*, Special Issue, Vol. 32(6): 275–279.

## OTHER REFEREED CONTRIBUTIONS

### *Conference proceedings (3 in total)*

- Nomokonova T, Losey RJ, Iakunaeva VN, Emel'ianova IUA and MV Pastukhov. 2013. Etnozooarkheologicheskie issledovaniia po okhote na nerpy na Baikale [Ethnozoarchaeology of Baikal seal hunting]. In *Integratsiia Arkheologicheskikh i Ethnograficheskikh Issledovani*, Vol. 1, pp. 307-310. IrGTU, Irkutsk [in Russian].
- Nomokonova T and Losey RJ. 2013. Seal hunting in the Little Sea region of Lake Baikal, Siberia. *Proceedings of the 27th Annual International Abashiri Symposium, The Association for the Promotion of Northern Cultures*, pp 25-30, Japan.
- Temple DH, Lieverse AR, Bazaliiskii VI, Weber AW. 2013. Paleopathological description and diagnosis of metastatic carcinoma in a Bronze-Age individual from Cis-Baikal, Siberia [abstract]. *Paleopathology Association Newsletter* (Meeting Supplement) S40: 53. Invited Symposium: *Presentations in Memory of Donald J. Ortner*. Knoxville, Tennessee.

### *Conference Sessions Organized (4 in total)*

- Lieverse AR. 2013. Organized and Chaired (along with Hitoshi Fukase of Hokkaido University and Minoru Yoneda of the University of Tokyo) the Session: Bioarchaeology of Northeast Asia. *Annual meeting Society for American Archaeology*, Honolulu, Hawaii, USA.
- Jordan P. 2013. Note: Co-organized session (with K. Gibbs): Circumpolar ceramics: pottery technology and the 'foraging spectrum', 3-7 April. *Annual meeting Society for American Archaeology*. Honolulu, Hawaii, USA.
- Jordan P. 2013. Note: Co-organized session (with A. Weber): Comparative perspectives on hunter-gatherer archaeology in Northeast Asia. September 4-8, Pilsen (Czech Republic): *Annual Meeting European Association of Archaeologists*.
- Ian Scharlotta. 2013. Organized and Chaired Session: Explanations of Behaviour using Archaeometric Techniques: Starting Assumptions and Theoretical Aspects of Hunter-Gatherer Research. *Annual meeting Society for American Archaeology*, Honolulu, Hawaii, USA.

**Conference presentations (60 in total, 37 listed below) Note:** List below does not include 23 presentations by BHAP at the 78<sup>th</sup> Annual Meeting of the Society for American Archaeology, Hawaii April, 2013 and the BHAP C14 Meetings/Oxford Meeting of the Core-to-Core Programme July, 2013. See pages 23-32 for details.

- Bazaliiskii VI, Goriunova OI, AG Novikov. Integration of archaeological & ethnographic research. Irkutsk, Russia May 2013.
- Bronk Ramsey C, Schulting R, Bazaliiskii VI, Goriunova OI, and Weber AW. Radiocarbon reservoir and stable isotope offsets in human remains from the Baikal Region. *The 7<sup>th</sup> International Symposium 14C & Archaeology* Ghent University, Ghent, Belgium, 8–12 April, 2013.
- Hudson M, Ohnishi H, Hoover K, Aoyama M. “Resilience and social-ecological change in the late prehistoric Okhotsk culture of eastern Hokkaido.” *European Association of Archaeologists*, Pilsen, Czech Republic, September.
- Ishida H. Bioarchaeology -Reconstruction of life activity and subsistence in people of the prehistoric Okhotsk culture, northern Japan-. Symposium “Formation processes of Ainu people nad Ainu culture: a perspective from the North” 67<sup>th</sup> Annual Meeting of Anthropological Society of Nippon, National Museum of Nature and Science, Tsukuba, Nov 3<sup>rd</sup>, 2013.
- Jordan P. 7 September, Pilsen (Czech Republic): *Annual Meeting European Association of Archaeologists*, ‘Comparative perspectives on hunter-gatherer archaeology in Northeast Asia.’ *Opening lecture*. Note: This was the session opening paper in the Co-organized session (with A. Weber): Comparative perspectives on hunter-gatherer archaeology in Northeast Asia.
- Kato H. 2013. Formation Process of Ainu Ethnicity and Bear Cult, *The Third Seminar of the Project of North: Seminar on Human and Animal Interactions*, Department of Archaeology, University of Aberdeen, Aberdeen, UK, 3<sup>rd</sup> December 2013.
- Kato H. 2013. “Diversity in the dietary habits of Jomon hunting-gathering-fishing societies, *The First Seminar of the Project of North: Seminar on ISO and 14C dating*, Institute of Archaeology, University of Oxford, Oxford, UK. 3<sup>rd</sup> July 2013.
- Kato H. 2013. Ainu Minzoku Bunka Keisei Katei no Kaimei: Kita kara no Shiten (Pursuit of the Formation Process of Ainu Ethnicity: From the Northern Perspective), *Dai 67 Kai Nihon Jinrui Gakkai Taikai (the 67<sup>th</sup> Annual Meeting of Japanese Anthropology)*, National Museum of Science, Tsukuba, Japan. 3<sup>rd</sup> Nov 2013.
- Kato H. 2013. Archaeological heritage and Hokkaido Ainu: ethnicity and research ethics, *International Workshop “Archaeology of ‘Us’ and ‘Them’: debating of the ethics and politics of ethnicity and indigeneity in archaeology and heritage discourse*, University of Uppsala, Uppsala, 24 October 2013.



- Lynch S. *Canadian Circumpolar Institute Northern Research Day Conference*, Edmonton 2013. Living on the Periphery: Portable-XRF characterization of obsidian tools from the Middle Jomon and Okhotsk Periods on Rebun Island, Japan.
- Masuda R. ["Prologue – Studies on animal evolution based on molecular analyses", *Public Symposium of the Hokkaido Branch of the Zoological Society of Japan: Researches on Animal Evolution and History based on Advanced Technologies*]. May 25, 2013, The Hokkaido University Museum (Sapporo city).
- Hirata D, Abramov A, Baryshnikov G, Masuda R. [Development of mitochondrial DNA haplogrouping method and phylogeography of brown bears in Eurasia]. *2013 Annual Meeting of the Mammal Society of Japan*, September 6-9, 2013, Okayama University of Science (Okayama city).
- Omote K, Nishida C, Takenaka T, Saito K, Simura R, Fujimoto S, Sato T, Masuda R. [Historical change of the Blakiston's fish owl population in Hokkaido revealed by genetic analyses]. *2013 Annual Meeting of the Ornithological Society of Japan*, September 16, 2013, Meijo University (Nagoya city).
- Kohyama T I, Omote K, Nishida C, Takenaka T, and Masuda R. [Pyrosequencing and genotyping of major histocompatibility complex class II in the endangered Blakiston's fish owl]. *The 84th Annual Meeting of the Zoological Society of Japan*, September 26, 2013, Okayama University (Okayama city).
- Omote K, Nishida C, Takenaka T, Saito K, Simura R, Fujimoto S, Sato T, Masuda R. [Temporal change of the population structure of Blakiston's fish owl revealed by mitochondrial DNA analyses]. *The 84th Annual Meeting of the Zoological Society of Japan*, September 26, 2013, Okayama University (Okayama city).
- Masuda R. "Zoogeographical history of animal populations around Hokkaido Island of Japan, revealed by ancient and modern -DNA analyses", *Seminar of Oxford Centre for Asian Archaeology*, Art and Culture. November 13, 2013, University of Oxford (Oxford, U.K.).
- Nomokonova T, Losey RJ, Emel'ianova IUA. Ethnozoarchaeology of Baikal sealing [in Russian], *Integratsiia Arkheologicheskikh i Ethnograficheskikh Isledovanii*, Irkutsk, Russia, May 2013 (Paper).
- Novikov AG. "Ancient cultures of Mongolia and Baikal Siberia" Chita, Russia, September 2013.
- Purchase S. Whom it May Concern: The Theoretical Determination of Ideology from Mortuary Data with Specific Reference to Cis-Baikal, Russian Federation *Anthropology, Physical Anthropology, Linguistics, Archaeology Conference*, 19 Jan 2013.
- Sato T. (Dec.3, 2013) Dogs and Jomon People, *The International Workshops on Human-animal Relations*, U Aberdeen, U.K.
- Sato T. (Oct.12, 2013) Dogs and Jomon people. *Higashimyou Symposium: The Jomon people and their real life revealed from shell mound remains*. Saga Prefectural Art Museum, Saga.
- Sato T. (Jan.12, 2013) Mammoth fauna fossils of Baikal Siberia. Public Symposium: Message from Venus. The University Museum, The University of Tokyo, Tokyo.
- Sato T. (Mar.30, 2013) Prehistoric subsistence in the Ryukyu Islands. *Public Symposium by Grant-in Aid for Scientific Research of JSPS: Coral Reef and Human Life*. Okinawa Prefectural Museum & Art Museum, Naha.
- Kanai A, Nara T, Sato T, Suzuki T, Watanabe T, Sawada J, Chiba T, Sawaura R, Hagiwara Y, Hirasawa Y, Takeuchi S, Takahashi T and Onishi R. (Dec.14, 2013) Shitsukari-Abe Cave site. *The Briefing Session for Buried Cultural Properties in Aomori Prefecture*, 2013. The Aomori Prefectural Community Education Center, Aomori.
- Sawaura R, Nara T, Watanabe T, Sawada J, Chiba T, Hagiwara Y, Hirasawa Y, Kanai A, Takeuchi S and Sato T. (Nov.17, 2013) Results of the 2011-2013 Excavation at the Shitsukari-Abe Cave, Aomori Prefecture. *The 1<sup>st</sup> Annual Meeting of Japanese Society for Zooarchaeology*. Keio University, Tokyo.
- Sato T, Takahashi T, Onishi R, Hattori T and Sawada J. (Nov.3 2013) Zooarchaeological studies on Rebun Island. *The 67<sup>th</sup> Annual Meeting of the Anthropological Society of Nippon. National Museum of Nature and Science*, Tsukuba.
- Omote K, Nishida C, Takenaka T, Saitou K, Shimura R, Fujimoto S, Sato T, Masuda R. (Sep.26, 2013) Temporal change of the population structure of Blakiston's fish owl revealed by mitochondrial DNA analyses. *The 84<sup>th</sup> Annual Meeting of the Zoological Society of Japan*. Okayama University, Okayama.
- Omote K, Nishida C, Takenaka T, Saitou K, Shimura R, Fujimoto, Sato T, Masuda R. (Sep.16, 2013) Historical change of the Blakiston's fish owl population in Hokkaido revealed by genetic analyses. *2013 Annual Meeting of the Ornithological Society of Japan*. Meijo University, Nagoya.
- Watanabe T, Abe Y, Nara T, Sato T, Sawada J, Chiba T, Sawaura R and Kanai A. (May.26, 2013) Archaeological and anthropological studies at the cave site in limestone region of the Shimokita Peninsula. *The 79<sup>th</sup> Annual Meeting of Japanese Archaeological Association*. Komazawa University, Tokyo.
- Schurr TG. 2013. "Tracing human movements across Siberia and into the Americas: New insights from mitochondrial DNA and Y-chromosome data." *Paleoamerican Odyssey Conference*, Santa Fe, NM: October.
- Schurr TG. 2013. "Ancient and Modern Genetic Variation in the Americas: A North American Perspective on the Peopling the New World." *HEADS Meeting: The First Peopling of the Americas and the World Heritage Convention*, Puebla, Mexico: September.
- Temple DH, Lievever AR, Bazaliiskii VI, Weber AW. 2013. Paleopathological description and diagnosis of metastatic carcinoma in a Bronze-Age individual from Cis-Baikal, Siberia [abstract]. *Paleopathology Association Newsletter (Meeting Supplement)* S40: 53. *Invited Symposium: Presentations in Memory of Donald J. Ortner*. Knoxville, Tennessee.

- Weber AW. Eating fish makes you older: Carbon reservoir effects in middle Holocene Cis-Baikal, Siberia. Paper presented at the *Annual Meetings of the European Association of Archaeologists*, Pilsen, Czech Republic, September 4–8, 2013.
- Mackay A, White D. 2013. MIS3 climate variability and hominin dynamics in southern Siberia: a research proposal. *'Bridging Eurasia' Initiative 4th International Workshop* German Archaeological Institute and Freie Universität Berlin.
- Yoneda M. 2013. You are what you ate: the tradition of Japanese foods reviewed from evolutionally point of view. Invited lecture for *JSPS Summer Program* (Hayama, 13 June).
- Yoneda M. 2013. Prehistoric anthropology by bone chemistry. *The 212 meeting of Chubu Anthropological Association*.
- Yoneda M, Y Naito, H Ishida, and H Kato. 2013. Okhotsk culture studied by stable isotopes in human and animal remains. *The 67th Annual Meeting of the Anthropological Society of Nippon* (Tsukuba).

#### **Posters (8 in total)**

- Hoover K and M Hudson. “Hunter-gatherer resilience after the agricultural transition in prehistoric Kyushu, Japan”, Poster presentation at *American Association of Physical Anthropologists 82<sup>nd</sup> Annual Meeting*, Knoxville TN, April 11.
- Hernandez M and M Hudson. “Diagnosis and evaluation of causative factors for the presence of endemic treponemal disease in a Japanese sub-tropical island population from the Tokugawa period”, Poster presentation at *American Association of Physical Anthropologists 82<sup>nd</sup> Annual Meeting*, Knoxville TN, April 12.
- Suzuki S, Kimura R, Ishida H. Degenerative changes of appendicular joints of human skeletal remains from the early-modern period of Kumejima Island, Okinawa, Japan. *67th Annual Meeting of Anthropological Society of Nippon*, National Museum of Nature and Science, Tsukuba, Nov 1-4, 2013.
- Miyazato E, Watanabe C, Yamaguchi K, Mochimaru M, Kouchi M, Ishida H, Kimura R. Comparison between Ryukyuan and mainland Japanese in 3D facial morphology using homologous modeling. *67th Annual Meeting of Anthropological Society of Nippon*, National Museum of Nature and Science, Tsukuba, Nov 1-4, 2013.
- Amaike, Y., Urugushi, K. and Masuda R. Geographical variation of skull morphology in the Hokkaido red fox *Vulpes vulpes schrencki*. *2013 Annual Meeting of the Mammal Society of Japan*, September 6-9, 2013, Okayama University of Science.
- Takhashi T. and Sato T. (Nov. 16-17, 2013) Transition of the faunal utilization on Rebun Island: With a special reference to the researches faunal remains unearthed from the Hamnaka 2 site. *The 1<sup>st</sup> annual meeting of Japanese Society for Zooarchaeology*. Keio University, Tokyo.
- Onishi R, Sawada J and Sato T. (Nov. 16-17, 2013) Dog remains of the Okhotsk culture from the Hamanaka 2 site. *The 1<sup>st</sup> annual meeting of Japanese Society for Zooarchaeology*. Keio University, Tokyo.
- Hattori T, Sawada J and Sato T. (Nov. 16-17, 2013) Pig remains of the Okhotsk culture unearthed from the Hamanaka 2 site. *The 1<sup>st</sup> annual meeting of Japanese Society for Zooarchaeology*. Keio University, Tokyo.

#### **NON-REFEREED CONTRIBUTIONS**

*Articles in trade journals (5 in total)* <http://bhap.artsrn.ualberta.ca/project-publications>

- Dolganov VA, Goriunova OI, Novikov AG, Weber AW. 2013. Assemblages with the Posol'sk type pottery based on the materials from Layer 5a at the geoarchaeological site Sagan-Zaba II. *Vestnik Novosibirskogo gosudarstvennogo universiteta, Istoriia, filologia*. Vol. 12(7): 125–132.
- Losey RJ, Bazaliiskii VI, Garvey-Lok S. Zhermonpre Osteobiografiya dog burial of Shaman II // *Integration of archaeological and ethnographic research*. - Irkutsk: Izd IrGTU, 2013. - T. 1. - S. 301-307.
- Novikov AG. Funerary practices Bronze Age population Priolhonja: (based on repository Hadarta IV) // *Ancient cultures of Mongolia and Siberia Baikal*. - Chita Univ Zabaykal. State. University Press, 2013. - Part 1. - S.319-325.
- Novikov AG, Goriunova OI. Burial practices of the Late Neolithic population Priolhonja (Lake Baikal) // *Integration of archaeological and ethnographic research*. - Irkutsk: Izd IrGTU, 2013. - T. 2. - S. 184-188.
- Suzuki T, Y Hatano, and M Yoneda. 2013. Jomon skeletons from the coastal area of Japan Sea in Tokoku. *Koukogaku Journal (Archaeology Journal)* 645,10-14.

#### **Research reports/working papers (4 in total)**

- Ishida H, Shimoda Y, Yoneda M, Naito YI, Nagaoka T. 2013. Reconstruction of life activity and subsistence in people of the prehistoric Okhotsk culture, northern Japan *Bulletin of Hokkaido University Museum* 6:109-115 (in Japanese with English abstract).
- Kato H, Iwanami R and Hirasawa Y. 2013 *Hokkaido Rebun-cho Hamanaka 2iseki 2012 nenndo Koukogaku Chosa Gaiyo Houkokusho (2012 Preliminary Report of Archaeological Investigation in Hamanaka 2 site, Rebun, Hokkadido)*, Center for Ainu & Indigenous Studies, Hokkaido University, Sapporo, Japan.
- Masuda R. 2013. Genetic features of the Okhotsk people: Interaction between the continent and Hokkaido. *Bulletin of the Hokkaido University Museum* 6: 103–108 (in Japanese with English abstract).
- Ishida H, H Shimoda, M Yoneda, YI Naito, and T Nagaoka. 2013. Life history of Medieval Okhotsk skeleton. *Research Report of University Museum*, Hokkaido University 6.

## **OTHER RESEARCH CONTRIBUTIONS**

### ***Classroom and public lectures (19 in total)***

- Hudson M. “Subsistence, ecology and expansion: The farming/language dispersal hypothesis in the Japanese Islands.” *Research Institute for Humanity and Nature, Kyoto*. February.
- Hudson M. “Anthropology of the Ainu 1: Ainu Origins,” *Department of Asian and African Studies, University of Ljubljana*, March.
- Hudson M. “Anthropology of the Ainu 1: Traditional Lifestyles,” *Department of Asian and African Studies, University of Ljubljana*, March.
- Hudson M. “Hunter-gatherer and agricultural expansions in the Japanese Islands: From the Neolithic to the 19<sup>th</sup> century.” *Department of Archaeology, University of Ljubljana*, March.
- Hudson M. “Artifacts and hyperobjects in the Anthropocene.” *TAG USA, Chicago*, May.
- Ishida H. Reconstruction of life activity and subsistence in people of the prehistoric Okhotsk culture, northern Japan. *Rebun International Field School Orientation (7/20-22) Sapporo, Hokkaido University*, July 20<sup>th</sup>, 2013.
- Kato H. 2013. Ainu Ethnohistory from the Archaeological Perspectives, *Asian Archaeology, Art and Culture Seminar Series, Oxford Centre for Asian Archaeology, Art and Culture, School of Archaeology, Oxford University*. 20<sup>th</sup> February, 2013.
- Losey R.J. 2013. Zooarchaeology of Human-Animal Relationships. Invited lecture *Dept of Archaeology, Simon Fraser Univ.*
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- Weber A.W. Basics of archaeological photography. *ANTHR 485, Department of Anthropology, University of Alberta*, Edmonton, Nov. 5, 2013.
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- Yoneda M. Science for Jomon diet. *Public lecture for citizen by Ichikawa-city, Chiba*. 2013.
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### ***Other public activities (excluding lectures) (7 in total)***

- Kato H. 2013. Nihon Kai wo Meguru Hito to Bunka no Histori: Hoppoken toshitenno Hokkaido (History on Human and Culture around Japanese Sea: Hokkaido Island as a part of North), Kan Nihonkai karamita Jinruishi to Bunka (Human History and Culture from the perspective of Circum Japanese Sea), *Asahi Karucha Sapporo Kou (Sapporo Culture School of Asahi News Paper)*, Sapporo, Japan, 24<sup>th</sup> April 2013.
- Kato H. 2013. Jinrui no Kigen to Shinka (Human Origin and Evolution), Chusho Kigyo Doyukai Dai 61 Kai Doyukai Daigaku (the 61<sup>st</sup> Public University of Association of medium and small-sized enterprises), *Association of medium and small-sized enterprises in Hokkaido*, Sapporo, Japan 23<sup>rd</sup> May 2013.
- Kato H. 2013. Korekarano Rebun Tou nitotteno Maizou Bunkazai no Yakuwari (The role in the future of the Buried properties for Rebun Island), *Hokkaido Rebun Funadomari Iseki Shutsudohin Sitei Kinen Shinpojiium (the Memorial Symposium of Archaeological finds from Funadomari site in Hokkaido)*, Rebun, Japan, 15<sup>th</sup> September 2013.
- Lynch S. 2013. *Introduction to Flintknapping Workshop*. Instructor for flintknapping demonstrations for the *University of Alberta, Alberta Archaeology undergrad course*. Relevance of experimental archaeology in present-day research. Feb.
- Lynch S. *Strathcona Archaeological Society Flintknapping Workshop*, Nov and Mar 2013. Instructor for full day flintknapping workshop held at the *University of Alberta*. Attendees learned to produce basic lithic tools by end of workshop.
- Nomokonova T. *Field Archaeologist for kids' archaeological camp at North Baikal*, grades 5-11, July 2013.
- Sato T. The exhibition titled “Jomon Culture on the Pacific Coast of Northern Japan” at the *Minato City Local History Museum*. (Jan. 5 – Feb. 20, 2013).

### **Media dissemination (radio, television, online articles) (16+ in total)**

Jordan P. 11 April 2013: *Deutschlandfunk* - radio article on early hunter-gatherer pottery function, Interview with P Jordan about function of world's earliest pottery (with Lucian Haas). Note: Also appeared on website as text: *Die ersten Fischköche*. Neues Analyseverfahren ermöglicht Nachweis organischer Reste in Jahrtausende alter Töpferware.

Jordan P. 2013. Japanese newspaper coverage (**11 articles in Japanese**) re 2013 *Nature* article.

Lieverse AR (translated by Nomokonova T). 2013. Death by Twins (Russian) Irkutsk: *Pravo Vybora* 11(166):8, July 2013.

Losey RJ. 2013. *CBC Radio*. Edmonton, Calgary, Kelowna, and Saskatoon interviews regarding 2013 publication *PLoS One*.

Losey RJ. 2013. *Discovery News*. An online newsletter featuring science news. Coverage of our 2013 publication on dog remains from Siberia. The article was subsequently widely featured elsewhere.

## **2012**

### **REFEREED CONTRIBUTIONS**

#### **Books sole edited (1 in total)**

Scharlotta I. 2012. *Geochemical Analysis of Human Mobility: Studying Hunter-Gatherer Mobility using Isotopic and Trace Elemental Analysis*. Lambert Academic Publishing, Saarbrücken, Germany. (published version of dissertation).

#### **Books edited works (2 in total)**

Goriunova OI, Weber AW, and Novikov AG. (Editors). 2012. *Pogrebal'nye komplekсы neolita i bronzovogo veka Priol'khon'ia: Mogil'nik Kurma XI [Neolithic and Bronze Age mortuary assemblages in the Ol'khon area: The Kurma XI cemetery.]* Irkutsk: Izdatel'stvo Irkutskogo gosudarstvennogo universiteta. 271 p. [In Russian]

Weber AW, McKenzie HG, Lieverse AR and OI Goriunova. (Editors). 2012. *KURMA XI, a Middle Holocene hunter-gatherer cemetery on Lake Baikal, Siberia: Archaeological and Osteological Materials*. Archaeology in China and East Asia Vol. 3, German Archaeological Institute, Berlin and Northern Hunter-gatherers Research Series Northern Hunter-gatherers Research Series, Vol. 6, Canadian Circumpolar Institute Press, University of Alberta, Edmonton, 276 p.

#### **Monographs (1 in total)**

Tarasov PE, Williams JW, Kaplan JO, Österle H, Kuznetsova TV, Wagner M. 2012. Environmental change in the temperate grasslands and steppe. In: Matthews, J.A., Bartlein, P.J., Briffa, K.R., Dawson, A.G., de Vernal, A., Denham, T., Fritz, S.C., Oldfield, F. (Eds.), (Ed.), *The SAGE Handbook of Environmental Change*. Vol. 2, Human impacts and responses. SAGE Publications Ltd., Los Angeles, pp. 215-244.

### **Book chapters Note: Chapters from the BHAP Northern Hunter –Gatherers Research Series Vol. 6 / Archaeology in China & East Asia Vol. 3 are listed separately below:**

*KURMA XI, a Middle Holocene hunter-gatherer cemetery on Lake Baikal, Siberia: Archaeological and Osteological Materials*. Edited by AW Weber, OI Goriunova, HG McKenzie and AR Lieverse. 2012. Archaeology in China and East Asia Vol. 3, German Archaeological Institute, Berlin and Northern Hunter-gatherers Research Series Northern Hunter-gatherers Research Series, Vol. 6, Canadian Circumpolar Institute Press, University of Alberta, Edmonton, Verlag Philipp von Zabern, Darmstadt, Germany. 276 p. CCIP ISBN 978-1-896445-57-1.

**Contents.** List of Tables. Ix; List of Figures. Xii; List of Selected Photographs. xiv.

**Introduction.** AW Weber. Overview of the Baikal Archaeology Project and bioarchaeological studies of the Kurma XI cemetery. Pp 1-12.

**Chapter 1.** AW Weber and OI Goriunova. Fieldwork methods at Kurma XI. Pp 13-22.

**Chapter 2.** AW Weber, MA Metcalf, OI Goriunova, AN Sekerin, ND Ovodov. Kurma XI: Grave descriptions: Archaeology. Pp 23-80.

**Chapter 3.** AR Lieverse, SU Stratton, SG Ardley. Kurma XI: Human osteological remains. Pp 81-140.

**Chapter 4.** AW Weber. Patterns of cemetery use at Kurma XI: Bayesian approach to the examination of radiocarbon dates. Pp 141-172.

**Chapter 5.** AR Lieverse. Human osteological evidence: Health, activity, and demography. Pp 173-202.

**Chapter 6.** OI Goriunova and LA Pavlova. Metal implements from the graves of the Early Bronze Age mortuary site Kurma XI on Lake Baikal. Pp 203-208.

**Chapter 7.** HG McKenzie. Mortuary Variability at Kurma XI. Pp 209-228.

#### **Appendices**

1. AW Weber and AR Lieverse. Selected photographic documentation. Pp 229-272.

2. SG Ardley, SU Stratton, T Young, AR Lieverse. Skeletal outline charts. Pp 273-276.

#### **CD-ROM Appendices**

3. AW Weber and VI Bazaliiskii. Mortuary variable lists and codebooks for Neolithic and Bronze Age Cis-Baikal, Siberia.

4. HG McKenzie, AW Weber and B Drouin. Archaeological data.
5. AR Lieverse, SG Ardley and SU Stratton. Osteological codebook.
6. AR Lieverse, SG Ardley and SU Stratton. Osteological data.
7. AW Weber. Photographic documentation.

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- Kato H. 2012. "Matome: Atarashii Ainu Shi no Kouchiku (Conclusion: Construction of New Ainu History: For the History of Multi-voices)", pp.212-221, *Atarashii Ainushi no Kochiku: Sensh-heni, Kodai-hen, Chusei-hen* (Construction of New Ainu History: Prehistoric, Ancient and Medieval periods), Hokkaido Daigaku, Ainu-Senjyumin Kenkyu Sentaa (Center for Ainu & Indigenous Studies, Hokkaido University), 221 pages, Sapporo, JAPAN. Hokkaido Daigaku, Ainu Senjyumin Kenkyu Sentaa (Center for Ainu & Indigenous Studies, Hokkaido University), Sapporo, JAPAN.
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Nomokonova T and OI Goriunova. 2012. Promyslovaia deiatel'nost' naseleniia rannego golotsena Priol'khon'ia (oz. Baikal) [Early Holocene subsistence practices of Priol'khon'e inhabitants (Lake Baikal)]. In *Drevnie Kul'tury Mongolii i Baikal'skoi Sibiri*, Vol.3, pp. 94-102. Mongolian State University, Ulan Bator [in Russian].

Sato T, Khenzykhenova F, Tsurumaru T, Ambiru M, Takakura J, Otsuka Y, Iida S, Schepina N and Tsogtbaatar B. 2012. Pleistocene faunal fossils from Bayangol I Site, Bulgan Aimag, Mongolia. In: Stubbe A, Kaczensky P, Wesche K, Samjaa, R, Stubbe, M, Reading RP and Gardner SL. (eds.), *Exploration into the biological resources of Mongolia Vol.12*, Halle: Martin Luther University Halle-Wittenberg, pp. 55-60.

**Conference presentations (36 in total) Note:** Does not include presentations at the BHAP Radiocarbon Dating & Stable Isotope Research Meeting and International Workshop in Oxford, July, 2012 and the BHAP Early Pottery in Northeast Asia International Workshop in Sakhalin, Russia, March, 2012. See pages 23-32 for details.

Bazaliiskii VI, R Losey, M Germonpre, M Sablin and S Garvie-Lok. 2012. New Data on and Interpretation of Dog Burials in Siberia's Cis-Baikal. *Society for American Archaeology Annual Meeting*, Memphis, Tennessee.

Goriunova OI, AG Novikov. "Ancient cultures of Mongolia and Baikal Siberia", Ulaanbaatar, Mongolia, September 2012.

Goriunova OI, AG Novikov "Phenomenon geoarchaeological layering Baikal Siberia. Baikal 100 years of scientific archeology", Irkutsk, Russia, in December 2012.

Fukase H, Wakebe T, Tsurumoto T, Saiki K, Fujita M, Ishida H. Geographic variation in body form of prehistoric Jomon males in the Japanese archipelago: its ecogeographic implications. *66th Annual Meeting of Anthropological Society of Nippon*, Keio University, Yokohama, Nov 2-4, 2012.

Miyazato E, Ishida H, Mochimaru M, Kouchi M, Yamaguchi K, Kimura R. 3D morphological analysis of human faces using homologous modeling *66th Annual Meeting of Anthropological Society of Nippon* Keio University, Yokohama Nov 2012.

Kudaka M, Fukase H, Kimura R, Hanihara T, Matsumura H, Saso A, Fukumine T, Ishida H. Metric characteristics of human limb bones in Asian and Japanese populations. *66th Annual Meeting of Anthropological Society of Nippon*, Keio University, Yokohama, Nov 2-4, 2012.

Fukase H, Wakebe T, Tsurumoto T, Saiki K, Fujita M, Ishida H. Geographic variation in body form of prehistoric Jomon males in the Japanese archipelago: its ecogeographic implications. *66th Annual Meeting of Anthropological Society of Nippon*, Keio University, Yokohama, Nov 2-4, 2012.

Kato H. 2012. Indigenous Archaeology of the Ainu. *The 17th JSPS "Science in Japan Forum": Routes of Indigenous Research*, Cosmos Club, Washington DC, USA, 12<sup>th</sup> July 2012.

Kato H. 2012. Indigenous Cultural Heritage and Tourism, *International Symposium: Indigenous Cultural Heritage and Tourism*. Sustainable Week of Hokkaido University, Hokkaido University, Sapporo. 13 October, 2012.

Kato H. 2012. Hokkaido no Dainamizumu to Kankyo (Dynamism and Environment in Prehistory of Hokkaido), *Shin Gakujyutsu Ryoiki Kenkyu Kan Taiheiyō no Kankyo Bunmei Sinpojium Kan Taiheiyō no Kankyo to Bunmei wo Kangaeru (Grant-Aid for Scientific Research on Innovative Area, Symposium of Environment and Civilization in the Circum Pacific Ocean: Thinking Environment and Civilization in the Circum Pacific Ocean)*, University of Sapporo, Japan, 2<sup>nd</sup> June 2012.

Kato H. 2012. Shuryō Taisyo kara Girei Taisyo he: Siberia niokeru Syoku girei no Kigen (From Hunting Object to Object for Rite: The Origin of Food Ceremony in Siberia), *Nihon Bunka Jinrui Gakkai Koukai Simposium Shoku no Girei wo meguru Chikyu no Tabi: Senjumin Bunka kara mita Siberia to Amerika (Public Symposium of Japanese Society of Cultural Anthropology, World travel of Food Ceremony: Siberia and America from the perspective of Indigenous culture)*, University of Tohoku, Sendai, Japan, 10<sup>th</sup> November 2012.

Kato H. 2012. Kankyohendo to Hoppo Shuryōmin Bunka no Keisei (Climate change and the formation of Northern Hunter-Gatherer culture), *Dai 26 kai Hoppo Minzoku Bunka Shinpojiumu Kankyohenka to Senjumin no Seikyo Bunka: Rikuiki Seitaikei niokeru Tekiou (the 26<sup>th</sup> Northern People Culture Symposium Environmental Change and Subsistence Culture of Indigenous Peoples: Adaptation in the terrestrial ecosystem)*, Hokkaido Douritsu Hoppou Minzoku Hakubutsukan (Hokkaido Museum of Northern Peoples), Abashiri, Japan.

Kato H. 2012. Paburikku Koukogaku no Kadai to Tenbo (Issues and Future of Public Archaeology), *Dai 66 Kai Nihon Jinrui Gakkai (the 66<sup>th</sup> Annual Meeting of Society of Japanese Anthropology)*, University of Keio, Yokohama, Japan. 2<sup>nd</sup> November 2012.

Lieverse AR, Schulting R, Antonova A, Bazaliiskii VI, Weber AW. 2012. A possible early Bronze Age massacre in the Baikal region of Siberia. Paper presented at the 45<sup>th</sup> annual Chacmool conference, *War and Peace: Conflict Resolution in Archaeology*, Calgary, AB 08-11 November 2012.

Losey RJ and VI Bazaliskii. 2012. The Bear-able Likeness of Being: Ursine Remains at the Shamanka II Cemetery, Lake Baikal, Siberia. *Society for American Archaeology Annual Meeting*, Memphis, Tennessee.

Losey RJ. 2012. Zooarchaeology of Animal Life Histories. *Arctic Domus startup meetings*, University of Aberdeen, UK.

Losey RJ. 2012. Seal Hunting on Siberia's Sacred Sea: Past, Present, and Future. Invited Guest Lecture, *27th Annual Abashiri Symposium*, Museum of Northern Peoples, Abashiri, Japan.

Losey RJ. 2012. Dogs, Diets, and Animal Agency in the Baikal Region of Siberia. *European Archaeological Association annual meeting*, Helsinki, Finland.



- Lynch S. *Canadian Archaeological Association (CAA) Annual Meeting*, Montreal 2012. Burning Rocks and Taking Samples: An Actualistic Experimental Approach to the Heat Treatment of Quartz.
- Lynch S. *Humanities Computational Graduate Student Conference*, Edmonton 2012. Digital Tools for a Digital Time: Applications of Three-Dimensional (3D) Scanning Technology in Archaeology.
- Masuda, R. “Genetic phylogeny of the buried dog from the Kamikuroiwa rock shelter”, Symposium: The Researches on Dog Remains Excavated from Kamikuroiwa Rock Shelter Site. *The 66th Annual Meeting of the Anthropological Society of Nippon*, November 2, 2012, Keio University (Yokohama city).
- Nomokonova T and OI Goriunova. Subsistence activities of Priol’khon’e populations during the Early Holocene (Lake Baikal) [in Russian], *Drevnie Kul’tury Mongolii i Baikal’skoi Sibiri*, Ulan-Bator, Mongolia, September 2012 (Paper).
- Sato T, Ando H and Abe Y. (Nov.10, 2012) The excavation of Kamikuroiwa Rock Shelter and details regarding the discovery of dog burials. *The 66th Annual Meeting of the Anthropological Society of Nippon*. Keio University, Yokohama.
- Sato T, Khenzykhenova F, Simakova A, Martynovich N, Danukalova G, Morozova E, Semenei E, Kato H, Yoshida K, Kunikita D, Lipnina E, Medvedev G, Suzuki K, Lokhov D, Sawaura R and Kisloshchaeva T. (Sep.27, 2012) The Karginian Interstadial biota of the Fore-Baikal Area: Paleogeographical reconstructions. *International Symposium: European Middle Palaeolithic during MIS 8- MIS 3*. Wolbrom Cultural Center, Poland.
- Khenzykhenova F, Sato T, Tsurumaru T, Ambiru M, Takakura J, Otsuka Y, Iida S, Schepina N and Tsogtbaatar B. Mar.27, 2012. Pleistocene faunal fossils from Bayangol I site, Bulgan Prefecture, Mongolia, Martin Luther University, Germany.
- Sato T, Komiya H, Sawada J, Saeki F, Gakuhari T, Yoneda M, Yoshida K, Hashimoto M, Masuda R, Ando H and Abe Y. (Nov.10, 2012) Research on dog remains unearthed from Kamikuroiwa Rock Shelter. *The 16th Annual Meeting of Japanese Zooarchaeological Society*. National Museum of Japanese History, Sakura.
- Sawaura R, Sato T and Sawada J. (Nov.2, 2012) Paleolithic hunting activities: Pleistocene animal remains from the Shitsukari-Abe Cave site. *The 66th Annual Meeting of the Anthropological Society of Nippon*. Keio University, Yokohama.
- Takahashi R, Sato T, Matsui A, Anezaki T, Ishiguro N and Hongo H. (Nov.2, 2012) Introduction of *Sus scrofa* into the prehistoric Ryukyu Islands: Based on DNA analysis of archaeological and modern *Sus* samples. *The 66th Annual Meeting of the Anthropological Society of Nippon*. Keio University, Yokohama.
- Kanai A, Takeuchi S, Sawaura R, Chiba T, Sawada J, Watanabe T, Sato T, Nara T and Abe Y. (Dec.8, 2012) Abe site (Shitsukari-Abe Cave). *The Briefing Session for Buried Cultural Properties in Aomori Prefecture*, 2012. The Aomori Prefectural Community Education Center, Aomori.
- Komiya H, Sawada J, Saeki F and Sato T (Nov.10, 2012) The morphological features of two buried dogs from Kamikuroiwa Rock Shelter site, Ehime Prefecture, Japan. *The 66th Annual Meeting of the Anthropological Society of Nippon*. Keio University, Yokohama.
- Scharlotta I, Weber AW. Uneven distribution: Asymmetrical mobility patterns and shifting kinship structures in Neolithic and Early Bronze Age Cis-Baikal, Siberia. Paper presented at *International Symposium on Archaeometry*, Leuven, Belgium. May 28-June 1, 2012.
- Schurr TG. 2012. “New Perspectives on the Early Peopling of the Americas as Revealed by Anthropological Genetic Studies.” *New England Antiquities Research Association Meeting*, Taunton, MA: October.
- Schurr TG. 2012. “The Timing and Process of the Colonization of South America: A North American Perspective.” In ‘Early Man in South America: New Paradigms in Late Pleistocene/Early Holocene Biological Anthropology’ Session, *American Association of Physical Anthropology Meetings*, Portland, OR: April.
- Shepard B. 2012. Change and Continuity of Funeral Aesthetics in the Early Bronze Age Cis-Baikal: Implications for Understanding Ancient Political Strategies. Presented at the *Fourth Eurasian Archaeology Conference*, Cornell University.
- Waters-Rist AL. 2012. Infant and Child Diet in Ancient Siberian Foragers from Lake Baikal, Siberia: Stable Isotope Dietary Reconstruction. Presented at the *Nederlandse Vereniging voor Fysische Antropologie (NVFA)* Leiden, The Netherlands.
- Yoneda M, T Gakuhari, YI Naito, Y Chikaraishi, and N Okouchi. Feeding ecology and adaptation strategy of Jomon populations shown by isotope analyses. *2012 Annual Meeting of Japanese Society of Geochemistry*.

#### **Posters (6 in total)**

- Faccia K, Buie H, Katzenberg MA, Bazaliiskii VI, and Goriunova OI. 2012. A three-dimensional analysis of cortical canal structure in Middle Holocene, Lake Baikal hunter-gatherer-fishers. *81st Annual Meeting of the American Association of Physical Anthropology*. Portland, USA. April 11-14.
- Moussa N, Kenney S, Mooder K, Bazaliiski VI, Weber AW, Bamforth F. Analysis of maternal and paternal genetic polymorphisms in the pre-historic hunter-gatherers of Lake Baikal, Siberia. *Medical Genetics Research Day*, University of Alberta, Edmonton, AB, Canada. (12 March 2012)
- Pratt IV, Lieverse AR, Schulting RJ, Cooper DML, Bazaliiskii VI, Weber AW. 2012. Exploring paleopathology from the inside out: an investigation of dental pathology and trauma with CT in the clinic, the lab, and at the synchrotron. Poster presented at the *40th annual meeting of the Canadian Association for Physical Anthropology*, Victoria, BC, 7-10 Nov. 2012.

- Lieverse AR, Bazaliiskii VI, Goriunova OI, Weber AW. 2012. Lower limb activity in the Cis-Baikal: enthesopathies among mid-Holocene Siberian foragers. Poster presented at the 81<sup>st</sup> annual meeting of the American Association of Physical Anthropologists, Portland, OR, 11-14 April, 2012.
- Hirata D, Mano T, Abramov A, Kosintsev P, Vorobiev A, Raichev E, Tsunoda H, Kaneko Y, Murata K, Masuda R. Molecular phylogeny and haplogrouping of the brown bear, based on analysis of the mitochondrial genome. 2012 Annual Meeting of the Mammal Society of Japan, September 20-23, 2012, Azabu University (Sagamihara city).
- Omote K, Nishida C, Takenaka T, Saito K, Simura R, Masuda R. Temporal change of genetic diversity and population structure in endangered Blakiston's fish owl. 2012 Annual Meeting of the Ornithological Society of Japan, September 14-17, 2012, the University of Tokyo (Tokyo).

## NON-REFEREED CONTRIBUTIONS

### Articles in trade journals (8 in total)

- Bazaliiskii VI. Funerary complexes of the Mesolithic - Neolithic Baikal Siberia: tradition burials absolute age // News Lab ancient technologies. Irkutsk: Izd IrGTU 2012. - Vol. 9. - S. 43-101.
- Bazaliiskii VI, Losey RJ, Pezhemsky DV, Garvey-Lok S, Zhermonpre M, Leonard D. Pozdnevezoliticheskyy burial and ritual burial complex with a wolf on the mountain Kayskoy Irkutsk // *Proceedings of the Laboratory of ancient technologies*. Irkutsk: Izd IrGTU 2012. - Vol. 9. - S. 102-12.
- Nomokonova T and OI Goriunova. 2012. Faunisticheskie ostatki s mnogoslainogo poseleniia Sagan-Nuge (oz. Baikal) [Faunal remains of the Sagan-Nuge site (Lake Baikal)]. In *Problemy Arkheologii, Etnografii, Antropologii Sibiri i Sopedel'nykh Territorii*, Vol. 18, pp. 123-127. Isd-vo IAiE SO RAN, Novosibirsk [in Russian].
- Goriunova OI, Dolganov VA, Novikov AG, Weber AW. 2012. RANNII NEOLIT PRIOL'KHON'IA: PO MATERIALAM VI KUL'TURNYKH SLOEV GEOARKHEOLOGICHESKOGO OBEKTA SAGAN-ZABA II [THE EARLY NEOITHIC OF THE OL'KHON AREA: BASED ON THE MATERIALS FROM LAYER 6 AT THE GEOARCHAEOLOGICAL SITE SAGAN-ZABA II.] IN FENOMEN GEOARKHEOLOGICHESKOI MNOGOSLOINOSTI BAIKAL'SKOI SIBIRI. 100-LET BAIKAL'SKOI ARKHEOLOGII. (EVRAZIIA V KAINOZOE. STRATIGRAFIIA, PALEOEKOLOGIIA, KUL'TURY, VOL. 1). Irkutsk: Izdatel'stvo IGU, pp. 86-93.
- Novikov AG, Goriunova OI. Neolithic burial Priolhonja (Lake Baikal): periodization and chronology // *Ancient Culture of Mongolia and Siberia Baikal*. - Ulaanbaatar Univ Mong. Reg. University Press, 2012. - Vol. 3, Part 1. - S. 80-89.
- Yoneda M and S Koyama. 2012. Bone chemistry and the subsistence and society of Jomon. *Koukougaku Journal (Archaeology Journal)* 630, 12-16.
- Gakuhari T, K Yamazaki, and M Yoneda 2012. Human-animal relation in light of isotope ecology. *Koukougaku Journal (Archaeology Journal)* 625.
- Yoneda M. 2012. The effect of climate change on diet of Jomon people. *Kikan Koukougaku (Quarterly Journal of Archaeology)* 118.

### Research reports/working papers (5 in total)

- Kato H, Iwanami R, Hirasawa Y and Suzuki K. 2012. *Hokkaido Reibun-cho Hamanaka 2iseki 2011 nenndo Koukougaku Chosa Gaiyo Houkokusho* (2011 Preliminary Report of Archaeological Investigation in Hamanaka 2 site, Reibun, Hokkadido), Center for Ainu & Indigenous Studies, Hokkaido University, Sapporo, Japan. <http://eprints.lib.hokudai.ac.jp/dspace/handle/2115/52658>.
- Masuda R and Saka E. 2012. Mitochondrial DNA analysis of brown bear bones from the Tokoro-chashi Site Okhotsk Locality. In *Tokoro Chashi Site Okhotsk Locality* (ed. The Course of Archaeology and Tokoro Research Laboratory, Graduate School of Humanities and Sociology, University of Tokyo), pp.360-366, Graduate School of Humanities and Sociology, University of Tokyo, Tokyo (in Japanese).
- Sato T. 2012. Vertebrate remains excavated from pit-dwellings 7, 9, 10 at the Okhotsk Locality of the Tokoro Chashi site. In *the Course of Archeology and Tokoro Research Laboratory*, Graduate School of Humanities and Sociology, University of Tokyo (ed.) Tokoro Chashi Site: Okhotsk Locality, Iwaki: University of Tokyo, pp.312-359 (in Japanese).
- Sato T and Yoshinaga A. 2012. Remains of reptiles, birds and mammals, In: Sekiguchi M. and Kurosawa H. (eds.), *Komatsu Shell Midden*, Tsuchiura: Tsuchiura Board of Education, pp. 97-126.
- Yoneda M, T Gakuhari, K Kobayashi, M Hirota, and S Itoh. 2012. Isotope analyses on human remains from the Miyahana-cho site. *Site Report on Miyahana-cho site, Niigata Prefecture*.

## OTHER RESEARCH CONTRIBUTIONS

### Classroom and public lectures (17 in total)

- Hudson M. "The Ainu and hunter-gatherer studies." *Centre for Asian Archaeology, Oxford University*, March.
- Hudson M. "Learning from the past? History, environment and resilience in Japan." *Public symposium on Disaster and Recovery in Japan, Cardiff University*, March 9, 2012.
- Hudson M "Prospects and challenges for an archaeology of global climate change." *Department of Archaeology, Oxford University*, March.

Hudson M. “Archaeology and interdisciplinarity in the face of global ecological crisis.” *Neolithic Seminar, University of Ljubljana*, November.

Kato H. 2012. Shifting from Archaeological site to Native Property: Indigenous Heritage in the World Heritage site Shiretoko. *Native American Studies Program, University of Oklahoma*, Norman, USA. 14<sup>th</sup> February 2012.

Kato H. 2012. “Ainu and Contemporary Japan”, *Asian Studies program, University of Oklahoma*, USA. Feb. 16, 2012.

Losey RJ and T Nomokonova. 2012. Dog Burials and Stable Isotope Analyses in Cis-Baikal, Siberia. *Invited lecture to Chita State University*, Chita, Russia.

Losey RJ and T Nomokonova. “New data on and interpretation of dog burials in Siberia’s Cis-Baikal”. Guest lecture at the *Trans-Baikal Pedagogical Institute*, Chita, Russia, March 2012.

Moussa N. A comparison between two late Neolithic-Early Bronze Age Cemeteries (Ust-‘Ida and Kurma XI) through the analysis of mtDNA *Macgregor Research Day, Dept of Lab Medicine & Pathology, University of Alberta* Nov. 06, 2012.

Nomokonova T. “Seals and hunters on Lake Baikal in Siberia”. *Anthropology Colloquia Series, University of British Columbia*, Vancouver, Canada, January 2012.

Schurr TG. 2012. “Tracing Human Movements Across Eurasia and into the Americas: New Insights from Genetic Studies.” *25<sup>th</sup> Years of US-Mongolian Relations Conference, Smithsonian Institution*: September.

Waters-Rist AL. 2012. Invited public lecture entitled Ancient Peoples from Lake Baikal, Siberia: Reconstructing Health. Presented at the *16th Annual Barge’s Forum, Leiden University Medical Centre*. Leiden, The Netherlands.

Waters-Rist AL. 2012. Invited public lecture entitled The Disappearance of the Kitoi Culture, Lake Baikal, Siberia. Evaluating the Mid-Holocene Biological Discontinuity Hypotheses. *Faculty of Archaeology Forum Leiden University*.

Weber AW. Middle Holocene Hunter–gatherers of Cis-Baikal (Siberia): Population and life history approaches. *University of Groningen, Groningen*, Netherlands, May 21, 2012

Weber AW. Human–environment–climate interactions at Baikal, Siberia: Why culture change is so difficult to explain? *Graduate seminar, ANTHR 500/600, Department of Anthropology, University of Alberta*, Edmonton, November 3, 2012.

White D. 2012. The Baikal-Hokkaido Archaeology Project: Holocene hunter-gatherers in northeast Asia. *Oxford Research Laboratory for Archaeology Seminar Series, Oxford University*, UK, February 29.

Yoneda M. 2012. Bone chemistry and the reconstruction of Jomon diet. Lecture on local history by *the municipal museum of Kasori Shell Midden*.

***Other public activities (excluding lectures) (4 in total)***

Kato H. 2012. Jinrui no Kigen to Shinka (Human Origin and Evolution), Chusho Kigyo Doyukai Dai 60 Kai Doyukai Daigaku (*the 60<sup>st</sup> Public University of Association of medium and small-sized enterprises*), *Association of medium and small-sized enterprises in Hokkaido*, Sapporo, Japan 22<sup>nd</sup> May 2012.

Lynch S. *Introduction to Flintknapping Workshop*, Nov. 2012. Instructor: flintknapping demonstrations, *University of Alberta, Alberta Archaeology undergrad course*, explaining relevance of experimental archaeology in present-day research.

Sato T. The exhibition titled “Archaeometria” at the *University Museum, University of Tokyo* (Mar. 3– Jun. 17, 2012).

Sato T. The exhibition titled “Archaeology in Mita” at *Minato City Local History Museum*. (Dec.17, 2011–Jan. 18, 2012).

***Media dissemination (radio, television, online articles) (10+ in total)***

Losey RJ 2012. AC Baikal TV. Irkutsk, Russia television coverage of 3D scanning equipment installed by me through a CFI grant at Irkutsk State Technical University.

Nomokonova T. Featured in Russian Press on March 2, 2012. Irkutsk State Technical University Press, Eastern Siberia, Russia. <http://www.istu.edu/news/11843/>

Schurr TG. 2012. <http://www.dailymail.co.uk/sciencetech/article-2092258/Native-Americans-actually-came-tiny-mountain-region-Russia-DNA-research-reveals.html>

Schurr TG. 2012. <http://www.history.com/news/2012/01/26/native-americans-hailed-from-siberian-highlands-dna-reveals/>

Schurr TG. 2012. <http://www.physorg.com/news/2012-01-genetic-footprints-africa.html>

Schurr TG. 2012. [http://news.nationalgeographic.com/news/2012/01/120203-native-americans-siberia-genes-dna-science/?source=hp\\_d11\\_news\\_dna20120207](http://news.nationalgeographic.com/news/2012/01/120203-native-americans-siberia-genes-dna-science/?source=hp_d11_news_dna20120207)

Schurr TG. 2012. <http://www.upenn.edu/pennnews/news/penn-anthropologists-clarify-link-between-asians-and-early-native-americans>

Schurr TG. 2012. [http://www.sciencecodex.com/read/penn\\_anthropologists\\_clarify\\_link\\_between\\_asians\\_and\\_early\\_nativeamericans-84964](http://www.sciencecodex.com/read/penn_anthropologists_clarify_link_between_asians_and_early_nativeamericans-84964)

Weber AW. 2012. Press conference with Japanese newspapers (Asahi-Shinbun, Yomiuri Shinbun, Mainichi Shinbun, Hokkaido Shinbun, and Nikkan Soyan) and local government officials from Wakkanai, Hokkaido, August 9.

Waters-Rist AL. 2012. Prehistorische botten bij het Baikalmeer (in Dutch). [Prehistoric teeth of the Baikal people]. *Leids Universitair Medisch Centrum. Cicero [Leiden University Medical Center Cicero Magazine] No. 6, Aug 28th.*

2011

**REFEREED CONTRIBUTIONS**

**Books sole edited (1 in total)**

Jordan P. (ed.) 2011. *Landscape and Culture in Northern Eurasia*. London: University College London Institute of Archaeology Publications (Left Coast Press).

**Book chapters (8 in total)**

Hudson M., Aoyama M. 2011. "Occupational apartheid and national parks: the Shiretoko world heritage site," in F. Kronenberg, N. Pollard, D. Sakellariou, eds. *Occupational Therapies Without Borders: Towards an Ecology of Occupation Based Practices* (Edinburgh: Elsevier), 247-255. (not refereed).

Ishida H., Yamauchi T, Fukumine T. 2011. Reconstruction of human activity of Prehistoric peoples in Japan as viewed from physical anthropology. In: Chujo R, Sakai H, Ishida H. (eds.) *Science in Archaeology*. Kyoto: Rinsen Shoten, 116-132, 2011 (In Japanese).

Jordan P. 2011. Landscape and Culture in Northern Eurasia: An Introduction. In: P Jordan (ed), *Landscape and Culture in Northern Eurasia*. London: University College London Institute of Archaeology Publications. pp. 17-45.

Haakanson S Jr. and P Jordan. 2011. 'Marking the Land': Sacrifices, Cemeteries and Sacred Places among the Yamal Nenets. In: P Jordan (ed), *Landscape and Culture in Northern Eurasia*. London: University College London Institute of Archaeology Publications. pp. 161-77.

Lieverse AR., Stock JT., Katzenberg MA, Haverkort CM. 2011. The bioarchaeology of habitual activity and dietary change in the Siberian middle Holocene. In Pinhasi R and Stock JT (eds.) *Human Bioarchaeology of the Transition to Agriculture*. Chichester: Wiley-Blackwell, p. 265-291.

Scharlotta I., Weber AW., DuFrane SA, Goriunova OI., Creaser R. 2011. Assessing hunter-gatherer mobility in Cis-Baikal, Siberia using LA-ICP-MS: Methodological correction for laser interactions with calcium phosphate matrices and the potential for integrated LA-ICP-MS sampling of archaeological skeletal materials. In *Laser Ablation: Effects and Applications*, S. E. Black, ed., Nova Publishers, pp. 45-98.

Schurr TG., Pipes L. 2011. The prehistory of Mongolian populations: Evidence from cranio-facial, dental trait and genetic studies. In: Sabloff P, editor, *Mapping Mongolia: Situating Mongolia in the World from Geologic Time to the Present*, Philadelphia: University of Pennsylvania Museum Press, pp. 134-165.

Yoneda M. 2011. The dietary ecology of human population in Medieval Hokkaido and Okinawa. In T. Nakajo, H. Sakai, H. Ishida eds. *Science for Archaeology*, Rinzei Shoten, Kyoto. (in Japanese)

**Articles in scholarly refereed journals (21 in total)**

Bebrukova EV., Belov AV, Orlova LA. Holocene vegetation and climate variability in North Pre-Baikal Region, East Siberia, Russia // *Quaternary International*, 2011, v. 237, p. 74-82.

Bebrukova EV., Belov AV, Academician Kuzmin MI, Letunova PP, Abzaeva AA, Orlova LA, and Kulagina NV. First Results of Reconstruction of the Environment in the Holocene on the Angara-Lena Plateau (Eastern Siberia) // *Doklady Earth Sciences*, 2011, v. 440, part 2, p. 1435-1439.

Bebrukova EV., Tarasov PE., Kulagina NV, Abzaeva AA, Letunova PP, Kostrova SS. 2011. Palynological study of Lake Kotokel' bottom sediments. *Russian Geology and Geophysics* 52, 457-464.

Staff RA, Bronk Ramsey C., Bryant CL, Brock F, Payne RL, Schlolaut G, Marshall MH, Brauer A, Lamb HF, Tarasov PE., Yokoyama Y, Haraguchi T, Gotanda K, Yonenobu H., Nakagawa T, Suigetsu 2006 Project Members 2011. New <sup>14</sup>C determinations from Lake Suigetsu, Japan: 12,000 to 0 cal BP. *Radiocarbon* 53(3), 511-528.

Saitou N, Kimura R, Fukase H, Yogi A, Murayama S, Ishida H. Advanced CT images reveal nonmetric cranial variations in living humans. *Anthropological Science*, 119: 231-237, DOI:10.1537/ase.100928, 2011.

Losey RJ., VI Bazaliiskii., S Garvie-Lok, M Germonpré, JA Leonard, AL Allen, MA Katzenberg, and MV Sablin. 2011. Canids as persons: Early Neolithic dog and wolf burials, Cis-Baikal, Siberia. *Journal of Anthropological Archaeology* 30:174-189.

Kazuta H, Sato T., Dodo Y, Matsumura H, Amano T, Ishida H., and Masuda R. 2011. Genotype frequencies of the *ABCC11* gene in 2000-3000-year-old human bones from the Epi-Jomon and Jomon sites in Hokkaido, Japan. *Anthropological Science* 119: 81-86. (DOI: 10.1537/ase.100416)

Sato T., Razhev D, Amano T, and Masuda R. 2011. Genetic features of ancient West Siberian people of the Middle Ages, revealed by mitochondrial DNA haplogroup analysis. *Journal of Human Genetics* 56: 602-608. (DOI:10.1038/jhg.2011.68)

Oishi T, Uraguchi K, Takahashi K, and Masuda R. 2011. Population structures of the red fox (*Vulpes vulpes*) on the Hokkaido Island, Japan, revealed by microsatellite analysis. *Journal of Heredity* 102: 38-46. (DOI: 10.1093/jhered/esq091)

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- Nomokonova T, Goriunova OI, Losey RJ, and NA Savel'ev. 2011. The use of Ulan-Khada cove on Lake Baikal during the Holocene based on the analyses of faunal materials. *Archaeology, Ethnography, and Anthropology of Eurasia*. 46(2): 30–36 [in Russian and English].
- Khenzykhenova F, Sato T, Lipnina E, Medvedev G, Kato H, Kogai S, Maximenko K and Novosel'zeva V. 2011. Upper Paleolithic mammal fauna of the Baikal region, east Siberia (new data). *Quaternary International* 231: 50-54.
- Dulik MC, Osipova LP, Schurr TG. 2011. Y-chromosome variation in Altaian Kazakhs reveals a common paternal gene pool for Kazakhs and the influence of Mongol expansions. *PLoS ONE* 6(3): e17548.
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- Mackay AW, Swann GEA, Brewer TS, Leng MJ, Morley DW, Piotrowska N, Rioaul P, White D. 2011. A reassessment of late glacial–Holocene diatom oxygen isotope record from Lake Baikal using a geochemical mass-balance approach. *Journal of Quaternary Science* 26(6), 627–634.

## OTHER REFEREED CONTRIBUTIONS

- Conference presentations (20 in total) Note:** Does not include presentations from the BHAP 'Bridging Eurasia' Research Initiative 3<sup>rd</sup> International Workshop held in Berlin November, 2011 and the BHAP Start-Up Meetings in Sapporo and Jozankei July, 2011. See pages 23-32 for details.
- Goriunova OI, AG Novikov. III (XIX) "Russian Archaeological Congress" Staraya Russa -Novgorod, Russia, October 2011.
- Goriunova OI, AG Novikov. "Ancient cultures of Mongolia and Baikal Siberia" Irkutsk, Russia, May 2011.
- Hudson M, Aoyama M. "Skeletal health indicators of social-ecological resilience in the early modern Ryukyu Islands." *Resilience 2011*, Arizona State University, Phoenix AZ, March. (+2 more – see website for complete list)
- Kato H. 2011. Hokkaido Koukogaku no Kanousei: Baikal Hokkaido Koukogaku Purojyekuto (Potential of Hokkaido Archaeology: Baikal-Hokkaido Archaeology Project) *Kokusai Shinpojium Jyomon Bunka to Yurashia no Yoso (International Symposium Jomon Culture & Situations of Eurasia)* Committee of International Jomon Forum, Hokodate, Oct Japan.
- Kato H. 2011. Cultural Heritage, Cultural Landscape and Indigenous Knowledge. *International Symposium Tourism and Landscape in the North. Hokkaido and Finland, A Bridge for Northern Cooperation*, Hokkaido University, 1 Nov 2011.
- Lieverse AR, Bazaliiskii VI, Goriunova OI, Weber AW. 2011. Lower limb activity in the Cis-Baikal: musculoskeletal stress markers among middle Holocene Siberian foragers. Paper presented at the 39<sup>th</sup> annual meeting of the Canadian Association for Physical Anthropology, Montreal, QC, 26-29 October, 2011.
- Losey RJ. 2011. The archaeology of dog domestication and its potential relevance for understanding reindeer domestication. *Invited lecture, Rangifer Domus workshops*, Tromsø, Norway.
- Losey RJ. 2011. Bear ritual at the Shamanka cemetery on Lake Baikal, Siberia. *Invited keynote lecture, German Archaeological Association*, Berlin, Germany.
- Masuda R. ["DNA archaeology in Hokkaido: Future development and problems"], *Regular Meeting of the Hokkaido Archaeological Association*. October 30, 2011, Hokkaido University (Sapporo city).
- Masuda R. ["Prologue—Fauna in Hokkaido: Universality and Specificity", The Public Symposium: Nature Changing in Hokkaido – From Zoological Viewpoints], *The 82nd Annual Meeting of the Zoological Society of Japan*, September 23, 2011, Asahikawa city.
- Masuda R. "Phylogeography and natural history of mammals in Hokkaido", *The Japanese Society of Systematic Zoology 2011 Symposium: Phylogeography of Japanese Mammals*. September 21, 2011, Asahikawa city.

- Takahashi R, Sato T, Matsui A, Anezaki T, Ishiguro N and Hongo H. (Nov.4, 2011) Zooarchaeological study of introduction of *Sus scrofa* into the prehistoric Ryukyu Islands: Ancient DNA and morphological analysis. *The 65th Annual Meeting of the Anthropological Society of Nippon*. Okinawa Prefectural Museum & Art Museum, Naha.
- Kato H, Sato T, Yoshida K, Suzuki K, Medvedev G, Lipnina E and Khenzykhenova F. (May 29, 2011) The report of Japan-Russia joint researches in Baikal Siberia: Studies of Human cultures in OIS 3. *The 77th Annual Meeting of Japanese Archaeological Association*. Kokugakuin University, Tokyo.
- Schurr TG. 2011. "Tracing Human Movements Across Eurasia and into the Americas: New Insights from Genetic Studies." *Second International Conference on the Great Migrations: Asia to America*, Columbia University, NY: December.
- Schurr TG. 2011. "The Peopling of the Americas: New Perspectives from Genetic Studies." *Iris McGillivray Memorial Lecture, Annual Spring Symposium of the Archeological Society of Maryland*, Crownville, MD: April.
- Shepard B. 2011. Changes in political economic organization and funeral aesthetics among hunter-gatherers the Middle Holocene Cis-Baikal (Russia). Presented at the *Stanford Archaeology Center 2011 Graduate Student Conference*.
- Weber AW. Problems with linking culture change to climate change during the Neolithic of the Baikal region, Eastern Siberia. Paper presented at the conference on *Phenomena of the Jomon Era and the Eurasian Neolithic: On-site studies and trans-regional comparisons*. Hakodate, Japan, October 28–30, 2011.
- Weber AW. Human–environment–climate interactions at Baikal, Siberia: History, concepts, and challenges. Presented at the International Workshop on *Human-Environment Interactions in Long Time Perspective* CIFAR, San Francisco, Dec. 2011.

#### Posters (7 in total)

- M Aoyama, Hudson M. "Resilience and the occupational cycle of indigenous Ainu people in northern Japan: perspectives from occupational science." Poster presented at *Resilience 2011*, Arizona State University, Phoenix AZ, March.
- Kobayashi A, Fukui D, Kojima E, and Masuda R. Molecular phylogeography of the Japanese large-footed bat living along three large rivers in Hokkaido. *2011 Annual Meeting of the Mammal Society of Japan*, September 9-11, 2011, Miyazaki University (Miyazaki city).
- Omote K, Nishida C, Takenaka T, Masuda R. [Population structure and genetic diversity in endangered Blakiston's fish owl]. *The 82th Annual Meeting of the Zoological Society of Japan*, September 21, 2011, Asahikawa city.
- Abe Y, Nara T, Sato T, Watanabe T, Yoneda M, Sawada J and Sawaura R. (Dec.27, 2011) Anthropological and archaeological research at the Shitsukari-Abe Cave site, the northernmost of Honshu. *Dual Symposia, Symposium on the Emergence and Diversity of Modern Human Behavior in Palaeolithic Asia & The 4th Annual Meeting of the Asian Palaeolithic Association (APA)*. National Museum of Nature and Science, Tokyo.
- Sato T, Khenzykhenova F, Simakova A, Martynovich N, Kato H, Suzuki K, Yoshida K, Lipnina E and Medvedev G. (Dec.27, 2011) Interdisciplinary investigation of the Bol'shoj Naryn stie, East Siberia. *Dual Symposia, Symposium on the Emergence and Diversity of Modern Human Behavior in Palaeolithic Asia & The 4th Annual Meeting of the Asian Palaeolithic Association (APA)*. National Museum of Nature and Science, Tokyo.
- Shepard B. 2011. Middle Holocene political economies in the Cis-Baikal, Russia: insights from mortuary data. Poster presented at the *76th annual meeting of the Society for American Archaeology*, Sacramento, CA.
- Yoneda M, N Doi, Y Dodo and H Ishida 2011. The regional variation of maritime adaptation in prehistoric Jomon. *The 80th Annual Meeting of the American Association of Physical Anthropology* (Minneapolis, 14 April).

#### NON-REFEREED CONTRIBUTIONS

##### Articles in trade journals (5 in total)

- Bazaliiskii VI. Glazkovsky necropolis // *Legacy*. - 2011. - № 3. - S. 32-35.
- Dolganov VA, Goriunova OI, Novikov AG, Weber AW 2011. Punktirno-grebenchataia keremika i ee mesto v neolite Prio'lkhon'ia (po materialam mnogoslainogo poseleniia Sagan-Zaba II) [Pit-combed pottery and its place in the Neolithic of the Ol'khon region (based on materials from the multilayered habitation site Sagan-Zaba II)]. *Vestnik NGU. Series: Istoria, filologia, vol. 10(3) Arkheologiya, etnografiia*: 84–91.
- Dolganov VA, Goriunova OI, Novikov AG, Weber AW. 2011. Kompleks s punktirno-grebenchatoi keramikoi i ego mesto v neolite Pribaikal'ia (po materialam mnogoslainogo poseleniia Sagan-Zaba II) [Assemblage with pit-combed pottery and its place in the Neolithic of the Baikal region (based on materials from the multilayered habitation site Sagan-Zaba II)]. In *Drevnie kul'tury Mongolii i Baikal'skoi Sibiri*. Irkutsk: Izdatel'stvo IGTU, vol. 2: 75–81.
- Goriunova OI, Novikov AG, Weber AW. 2011. Keramika rannego neolita Pribaikal'ia (po materialam mnogoslainogo poseleniia Sagan-Zaba II) (Early Neolithic pottery in the Baikal region (based on materials from the multilayered habitation site Sagan-Zaba II)). In *Trudy III (XIX) Vserossiiskogo arkheologicheskogo sezda*. Sankt Peterburg, Velikii Novgorod: IIMK RAN. Vol. 1: 125–127.
- Okouchi N, YI Naito, Y Chikaraishi, M Yoneda. 2011. Diet of Jomon people from point of view with new method. *Kagaku (Science)* 81 (11), 1116-1117.

## OTHER RESEARCH CONTRIBUTIONS

### *Classroom and public lectures (7 in total)*

Hudson M. “The Paimmi-nu-Nagabaka site and social-ecological resilience in Miyako history.” *Society for East Asian Archaeology, Kyushu University*, June.

Hudson M. “‘Japanese’ and ‘Austronesian’ identities in the Neolithic of the Ryukyu Islands.” *Neolithic Seminar, University of Ljubljana*, November.

Kato H. 2011. The potential for Archaeology in Hokkaido Island: New Approach of Baikal-Hokkaido Archaeology Project. *Special Lecture in Oxford Center for Asian Archaeology, Art and Culture, Institute of Archaeology, University of Oxford*, Oxford, UK. 29<sup>th</sup> November 2011.

Kato H. 2011. Hokkaido Shima no Sendshi: Koukogaku Bunka no Doutai to Minzoku Keisei (Prehistory of Hokkaido: Dynamism of Archaeological Cultures and Ethnic Formation), *Institute of Korai Cultural Property and University Museum of Hanyang University*, Seoul, South Korea, 16<sup>th</sup> February 2011.

Nomokonova T. “Sealing and pastoralism at Sagan-Zaba Cove, Siberia” *PhD Lecture University of Alberta*, June 2011.

Nomokonova T. “Use of the Baikal seal canines in age and season of death determinations”. Guest lecture at *ANTHR 480/580:B1: Introduction to Zooarchaeology, University of Alberta*, Edmonton, Canada, March 2011.

Waters-Rist AL. 2011. Infant Feeding Practices in Ancient Hunter-Gatherer-Fishers from the Lake Baikal Region of Siberia. Presented to *Nederlandse Vereniging voor Fysische Antropologie (Netherlands Assoc. for Physical Anthropology)* Leiden.

### *Other public activities (excluding lectures) (4 in total)*

Kato H. 2011. Tairiku kara Shima he: Kaiyo tekio to Minzoku Keisei (From Continent to Island: Maritime Adaptation and Ethnic Formation), *Hokkaido Daigaku Hakubutsukan Shimin Seminar (Public Seminar of Hokkaido University Museum)*, Hokkaido University Museum, Sapporo, Japan, 12<sup>th</sup> November 2011.

Kato H. 2011. Jinrui no Kigen to Shinka (Human Origin and Evolution), *Chusho Kigyo Keieisha Doyukai (Lecture for Owners of Association of medium and small-sized enterprises)*, Association of medium and small-sized enterprises in Hokkaido, Sapporo, Japan 10<sup>th</sup> October 2011.

Masuda R. 2011. [“Zoology of Bones” in Zoological Plaza], sponsored by the *82nd Annual Meeting of the Zoological Society of Japan*, September 23, 2011, Asahikawa city.

Nomokonova T. Lecturer on Baikal archaeology for *Moscow camp at Sagan-Zaba*, Lake Baikal, grades 5-9, July 2011.

### *Media dissemination (radio, television, online articles) (5 in total)*

Losey R J. 2011. *Discovery News*. An online newsletter featuring science news. Coverage of our 2011 paper on dog remains from Siberia. This segment subsequently generated a range of covered in many countries and in many different formats, including academic and non-academic blogs, discussion boards, and even dog food company websites.

Weber AW. 2011. Interviews with three Japanese newspapers: *Asahi-Shimbun* (July 10, 2011), *Hokkaido Shimbun* (July 13, 2011), and *Asahi-Shimbun* (July 18, 2011).

Weber AW. 2011. Premiere of *The Code Breakers* documentary, produced by the Clearwater Media Inc., Citadel Theatre, Edmonton, January 7, featuring research by the Baikal Archaeology Project and interviews with A. Weber. CBC’s *The Nature of Things with David Suzuki*, January 13. <http://www.cbc.ca/documentaries/natureofthings/2011/codebreakers/>

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Below are project workshops, business meetings and conferences in which the Baikal–Hokkaido Archaeology Project participated as a team in 2011–2014. Contributions below are listed in reverse chronological order.



**International Workshop  
Baikal–Hokkaido Archaeology Project  
University of Alberta, Edmonton, Canada, May 5–7, 2014**

**Main sponsors:**

Social Sciences and Humanities Research Council of Canada–Major Collaborative Research Initiative Award: *Holocene Hunter-Gatherers of Northeast Asia*, Project # RES0007122

Japan Society for the Promotion of Science Core-to-Core Program (Advanced Research Networks): *Advanced Core Research Centre for History of Human Ecology in the North*, Project #24242030

**Attendees:** [Adachi N](#), [Ames K](#), [Bamforth F](#), [Bazaliiskii V](#), [Bush A](#), [Clarke, M](#), [Conner J](#), [Fitzhugh B](#), [Goriunova O](#), [Habu J](#), [Hiob A](#), [Hirasawa Y](#), [Ishida H](#), [Iwanami Ren](#), [Jordan P](#), [Kato H](#), [Kossler A](#), [Kurzibov P](#), [Lieverse A](#), [Losey R](#), [Lynch S](#), [Masuda R](#), [McKenzie H](#), [Moussa N](#), [Mueller S](#), [Naganuma M](#), [Nomokonova T](#), [Novikov A](#), [Osipov B](#), [Purchase S](#), [Rodrigues A](#), [Scharlotta I](#), [Schmidt M](#), [Schulting R](#), [Schurr T](#), [Shchetnikov A](#), [Shepard B](#), [Tarasov P](#), [Temple D](#), [Tsutaya T](#), [Urlacher R](#), [Wagner M](#), [Weber A](#), [White D](#), [Yang D](#), [Yesner D](#), [Yoneda M](#).

## Academic Program

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**Day 1 Monday May 5, 2014:** Glacier Room, Lister Conference Centre  
87 Avenue & 116 Street (10-minute walk west of Campus Tower)

8:30 *Coffee and light breakfast on-site*

9:00 Opening address and announcements, A. Weber

**9:30 Paper Session 1 (60 minutes), Chair R. Schulting**

9:30 Kato Hirofumi, Naganuma Masaki, Sato Takao: *Results of the archaeological excavation from Hamanaka 2 site 2011 and 2013 field years*

9:50 Hirasawa Yu: *Paleolithic Study in Sakhalin and Hokkaido: Seeking a Possibility of Paleolithic Site Existence on Rebun Island*

10:10 Jordan Peter: *Early pottery residue studies in Japan, Sakhalin, and Alaska*

10:20 Ishida Hajime, Yoneda Minoru: *Bioarchaeology in people of the Prehistoric Okhotsk Culture and new findings from fieldwork on Rebun Island*

10:30 *Coffee break*

**11:00 Paper Session 2 (60 minutes), Chair V. Bazaliiskii**

11:00 Shchetnikov Alexander, White Dustin, Bezrukova Elena: *First results using the new UWITEC drilling equipment for lake sediment studies in Cis-Baikal area*

11:20 Tarasov Pavel, Mueller Stefanie, Schmidt Mareike, Kossler Annette, Wagner Mayke and the Lake Kushu Research Consortium: *First results of palaeoenvironmental and geochronological research from the Lake Kushu sediment core RK12 and Hamanaka 2 site on Rebun Island, Japan*

11:40 Scharlotta Ian: *Recent methodological developments in biogeochemical techniques to track mobility in Middle Holocene hunter gatherer groups in Cis-Baikal*

12:00 Paper Discussion Session 1 & 2

12:30 *Lunch on-site*

**13:30 Paper Session 3 (60 minutes), Chair D. White**

13:30 Clarke Megan: *An exploration of the utility of dental calculus in the study of diet in the middle Holocene Cis-Baikal*

13:50 Purchase Samantha: *Infectious disease as an indicator of physiological stress in the middle Holocene Cis-Baikal*

14:10 Lieverse Angela, Schulting Rick: *Violence in the Cis-Baikal and Hokkaido*

14:20 Schulting Rick, Ramsey Christopher B., Goriunova Olga, Bazaliiskii Vladimir, Weber Andrzej: *Examination of the fresh water reservoir effect in the Cis-Baikal region*

14:30 Paper Discussion Session 3

15:00 *Coffee break*

**15:30 Round-table Discussion 1**

*Critical Evaluation of the Bioarchaeology of Individual Life Histories Approach*

Moderator: H. McKenzie; Presenters: A. Lieverse, K. Ames, R. Losey (5–10 minutes each)

**20:00 Free networking time.** All interested parties are encouraged to meet at *Hudsons Canadian Tap House* (11113-87 Avenue, a few steps directly east of Campus Tower).

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**Day 2 Tuesday May 6, 2014:** Glacier Room, Lister Conference Centre

8:30 *Coffee and light breakfast on-site*

**9:00 Paper Session 4 (90 minutes), Chair H. Ishida**

9:00 Moussa Nour: *Maternal and Paternal Genetic Background of Late Neolithic and Early Bronze Age Populations of Lake Baikal Area*



9:20 Adachi Naboru: *DNA analysis of the skeletons excavated from Hamanaka 2 site, Rebun Island, Hokkaido, Japan*  
9:30 Yang Dongya, Rodrigues Antonia: *Ancient DNA Analysis of Roe and Red Deer from Ust'-Khaita*  
9:50 Masuda Ryuichi, Sato Takao: *DNA analysis of animal remains in the Rebun Island*  
10:00 Schurr Theodore: *Holocene Interactions in Northeast Asia from Biological Anthropology and Genetic Perspectives*  
10:10 Paper Discussion Session 4

10:30 *Coffee break*

**11:00 Paper Session 5 (60 minutes), Chair H. Kato**

11:00 Schulting Rick, Yoneda Minoru: *An overview of the stable isotope data on human bone collagen from Baikal and Hokkaido*  
11:20 Weber Andrzej, Bronk Ramsey Christopher, Schulting Rick, Goriunova Olga, Bazaliiskii Vladimir: *Freshwater reservoir effect corrections to chronology of middle Holocene hunter-gatherers in the Cis-Baikal region of Siberia*  
11:40 Tsutaya Takami: *Stable isotope analysis of feeding ecology in the Okhotsk culture*  
12:00 Paper Discussion Session 5

12:30 *Lunch on-site*

**13:30 Round-table Discussion 2**

*Topic 2. Comparative Approach to Hunter-gatherer Culture Change: Baikal and Hokkaido*  
Moderator: K. Ames; Presenters: P. Jordan, D. Yesner (5–10 minutes each)

15:00 *Coffee break*

**15:30 Round-table Discussion 3**

*Topic 3. Spheres of Interaction in Northeast Asia during the Holocene*  
Moderator: J. Habu; Presenters: K. Ames, T. Schurr (5–10 minutes each)

**20:00 Free networking time.** All interested parties are encouraged to meet at *Sherlock Holmes Pub* (8519-112 Street, 1 block southwest of Campus Tower).

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**Day 3 Wednesday May 7, 2014: Aon Room, Alumni House**  
11515 Saskatchewan Drive (15-minute walk northwest of Campus Tower)

8:30 *Coffee and light breakfast on-site*

**9:00 Round-table Discussion 4**

*Topic 4. Challenges and Promises of Interdisciplinary and International Collaborative Research*  
Moderator: P. Tarasov; Presenters: J. Habu, B. Fitzhugh (5–10 minutes each)

10:30 *Coffee break*

**11:00 Paper Session 6 (70 minutes), Chair O. Goriunova**

11:00 Lynch Sean: *Obsidian resource use from the Jomon to Okhotsk period on Rebun Island, Japan: a pXRF analysis of archaeological obsidian*  
11:20 Shepard Benjamin: *Evaluating the prestige goods model among hunter-gatherers in the Cis-Baikal, Siberia: implications for understanding long-distance interaction and political integration during the middle Holocene*  
11:40 Iwanami Ren: *Zooarchaeological studies using the cut marks based on comparative studies between sea mammals and domestic animals*  
12:00 Losey Robert, Nomokonova Tatiana: *Recent Zooarchaeological Research in Siberia*  
12:10 Paper Discussion Session 6

12:30 *Lunch on-site*

**13:30 Paper Session 7 (20 minutes), Chair R. Masuda**

13:30 Lieverse Angela, Temple Daniel, Stock Jay, Macintosh Alison: *Skeletal morphology and growth in the Cis-Baikal*  
13:50 Paper Discussion Session 7

**14:00 Closing plenary session and closing address, Chair A. Weber**

**BHAP wind-up dinner and drinks**

Faculty Club, 11435 Saskatchewan Drive (east of Alumni House, northwest of Campus Tower)

**17:30–18:30** Cocktails (cash bar) **18:30** Banquet Dinner

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**A Core-to-Core Meeting of Physical Anthropology Section  
Hokkaido University Library, Sapporo, Japan  
January 11, 2014**

**10:00-12:00 Presentations concerning morphology**

1. Fukase
2. Ishida H. Reconstruction of life activity and subsistence in people of the prehistoric Okhotsk culture, Hokkaido and Sakhalin Islands.
3. Nagaoka
4. Yonemoto
5. Lieverse AR. Bioarchaeological Research: the Cis-Baikal and Hokkaido.

12:00-13:00 Lunch @ a nearby restaurant

**13:00-14:10 Presentations concerning DNA**

1. Sato T.
2. Adachi N. A plan to analyze genomes of the Okhotsk people.
3. Kimura

14:10-14:20 Short break

**14:20-15:30 Presentations concerning morphology/isotope**

1. Tsutaya T. Population dynamics in the Okhotsk culture: stable isotope analysis on weaning ages.
2. Schulting RJ. Violence among hunter-gatherers in Baikal & Hokkaido.

15:30-15:40 Short break

**15:40-17:00 Discussion on 2014 year-term activities**

1. Field school at Rebus in August, 2014
2. Relationship with BHAP (in particular, BHAP meeting May 2014)
3. 2014 meeting of the Anthropological Society of Nippon
4. Next Core to Core meeting of physical anthropology section in 2015

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**4<sup>th</sup> Annual Workshop "Bridging Eurasia & Baikal-Hokkaido Archaeology Project"  
Berlin, Germany, December 10, 2013**

**A report from Dr. Pavel Tarasov:**

I'd like to report that despite all everyday problems and financial difficulties a group of environmental scientists and geoarchaeologists were able to meet in Berlin for the annual workshop of the "Bridging Eurasia & Baikal-Hokkaido Archaeology Project". Thanks to a wonderful organization by Stefanie Müller (FU Berlin) and Dominic Hosner (German Archaeological Institute) and financial support of Center for International Cooperation (FU Berlin) we could assemble 14 scientists and PhD students from Berlin, Potsdam, UK and Russia in the lecture hall of the German Archaeological Institute for a one very inspiring workshop on 10 December 2013. Current results and nearest plans have been discussed.

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**Baikal-Hokkaido Archaeology Project Oxford C14 meetings  
Oxford, U.K., July 1-2, 2013**

Attendees: C. Bronk Ramsey, R. Schulting, A. Weber

**Agenda**

For C. Bronk Ramsey and R. Schulting

1. Paired dating data set
2. How is it possible for the linear regression to cross the X axis?
3. Upper Lena
4. Paper #1, linear regression (RS lead)
5. Paper #2, Bayesian statistics (CBR lead)
6. Paper #3, general culture history (AW lead)

For R. Schulting

1. Diet mixing models
2. Reallocation of funds originally allocated to Yoneda (\$83k)
3. Session for EAA 2014, Istanbul:
4. New CFI equipment
5. MCRI #4
6. Hydrogen pilot study

For C. Bronk Ramsey

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### **Oxford Meeting of the Core-to-Core Programme July 5–6, 2013**

Attendees: C. Bronk Ramsey, H. Kato, T. Kobayashi, H. Ozaki, T. Omori, R. Schulting  
J. Lee-Thorp, M. Yoneda

A two day seminar was held in Oxford July 4th and 5th, marking the first meeting of a new Core-to-Core programme headed by Professor Hirofumi Kato of the University of Hokkaido, Japan. Following an introduction to the aims of the programme, Professor Kato gave an overview of Jomon culture in Japan, one of the longest-lived archaeological traditions in the world, extending from ca. 10,000 to 300 BC, and surviving longer than this in the north of the archipelago. This was followed by Professor Minoru Yoneda's (University of Tokyo) overview of stable isotope research on human remains from the Japanese archipelago, covering all periods from the Palaeolithic to medieval and even modern Japan. This work has revealed considerable regional diversity in diets, and is beginning to identify some very intriguing differences at much smaller spatial skills, sometimes within the same site. This theme was continued in the afternoon with talks by Professor Julia Lee-Thorp and Dr Rick Schulting, summarising stable isotope research on Holocene hunter-gatherers in South Africa and Europe, respectively.

The next day began with Professor Chris Ramsey's overview of Bayesian modelling of radiocarbon dates, as well as a report on recent work concerning freshwater reservoir corrections for dates on prehistoric human remains from the Lake Baikal region of Siberia. Dr Hiromasa Ozaki next presented his work on creating a calibration curve specific to Japan, noting offsets from IntCal09's northern hemisphere curve. Greater similarities with the southern hemisphere curve suggest that at least the southern half of Japan is affected by global weather patterns, specifically the summer monsoon. Dr Takayuki Omori then discussed the available radiocarbon chronology for the Kanto region of Japan, with its incredibly rich record of activity during the Middle Jomon period. The very detailed pottery typology that has been developed in the region by Professor Tatsuo Kobayashi is further supported by Bayesian analysis, indicating very rapid changes in pottery styles occurring almost every generation.

One of the advantages of small workshop seminars is the much greater time they allow for discussion. This touched upon a number of themes, including hunter-gatherer stability and change, identity, responses to environmental change, the impact of incoming farming communities, and the need for high-resolution chronologies. A number of interesting parallels between Japan and Britain/Ireland were noted in terms of their positions as island chains immediately adjacent to the continent, and the unique character that this provided in terms of a combination of isolation and communication. This was especially apparent in the process of the arrival of developed farming practices in the Yayoi period in Japan, and the Neolithic for Britain and Ireland.

The Core-to-Core is funded by the Japan Society for the Promotion of Science, and will run for five years, with meetings to be held in Japan, Canada and the UK.

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### **BHAP team members present at the 78<sup>th</sup> Annual Meeting of the Society for American Archaeology Honolulu, Hawaii, USA April 3-7, 2013**

Sessions and presentations organized by the BHAP Team, graduate students and affiliated scholars listed in alphabetical order and underlined below:

#### **Sessions organized by BHAP:**

Angela Lieverse Organized and Chaired (along with Hitoshi Fukase of Hokkaido University and Minoru Yoneda of the University of Tokyo) the Session: Bioarchaeology of Northeast Asia.

Peter Jordan and Kevin Gibbs Session Chairs: Circumpolar Ceramics: Pottery Technology and the "Foraging Spectrum."  
Organised by Peter Jordan and Kevin Gibbs as part of the Ceramics before farming: prehistoric pottery dispersals in Northeast Asia project funded by the UK Leverhulme Trust.

Ian Scharlotta Organized Session: Explanations of Behaviour using Archaeometric Techniques: Starting Assumptions and Theoretical Aspects of Hunter-Gatherer Research.

#### **Presentations by BHAP:**

Noboru Adachi, Ken-ichi Shinoda, Kazuo Umetsu, Osamu Kondo, and Yuio Dodo: Ethnic Derivation of the Hokkaido Ainu Inferred from Mitochondrial DNA data.

Lindsey Friedman, Hirofumi Kato, Andrzej Weber, and Tamsin O'Connell: Dietary Complexity Amongst Hunter-Gatherers in Japan: new insights from carbon and nitrogen analysis.

Hitoshi Fukase, Masatomi Kudaka, Toshiyuki Tsurumoto, Masaki Fujita, and Hajime Ishida: Geographic variation in skeletal limb size and proportions among Northeast/East Asian populations.

Yu Hirasawa: Difference and Uniqueness of Hokkaido Prehistory: Ethno-Historical Development and Relationship among Ainu and Past Prehistoric Cultures. *In Symposium: Who are the Ancestors?*

Peter Hommel, Peter Day, Peter Jordan, and Viktor Mikhailovich Vetrov: Vessels of the Vitim: A Study of Ust'-Karenga and Ust'-Yumurchen Ceramics

Ren Iwanami: Chashikotsu B Site: Pursuit of the Origin of Bear Ceremony

Hirofumi Kato Discussant for Session: Who are the Ancestors? Redefining the Cultural Sequence of Hokkaido Island, Japan. *Symposium Who are Ancestors?*

Hirofumi Kato: Mobile or Settled: Cultural Functional Diversities of Prehistoric Pottery in Hokkaido Island. *Circumpolar Ceramics: Hunter-Gatherer Pottery Technology and the 'Foraging Spectrum*.

Angela Lieverse, Vladimir Bazaliiskii, Olga Goriunova, and Andrzej Weber: Lower Limb Activity in the Cis-Baikal: Enteseal Changes Among Middle Holocene Siberian Foragers.

Sean Lynch: Portable XRF Characterization of Archaeological Obsidian from the Middle Jomon and Okhotsk Periods n Rebun Island, Hokkaido, Japan. April 6, 2013.

Hugh McKenzie and A. Popov: Cranial Modification at the Boisman II Hunter-gatherer cemetery, Russian Far East.

Nour Moussa, Karen Mooder, Fiona Bamforth: A Comparison between Two Late Neolithic-Early Bronze Age Cemeteries (Ust'-Ida and Kurma XI) through the Analysis of mtDNA.

Takao Sato: Features of Archaeological Assets and the Issue of Promoting CRM in the Shiretoko Peninsula.

Takao Sato Discussant for Session: Who are the Ancestors? Redefining the Cultural Sequence of Hokkaido Island, Japan  
Mark Becker and Ian Scharlotta: Hunter-Gatherer Spatio-Temporal Patterning in San Diego County.

Ian Scharlotta: Tailor Made: A(n evolutionary) Theory of Mobility to Suit Hunter-Gatherer and Scientific Archaeology.

Rick Schulting, Julie Hamilton, Vladimir Bazaliiskii, Olga Goriunova, and Andrzej Weber: Untangling trophic levels?  $\delta D$  and  $\delta^{15}N$  studies at Lake Baikal, Southern Siberia.

Ben Shepard: Contrasting Approaches to Burials and Demography in the Study of Middle Holocene Hunter-Gatherers in Cis-Baikal, Russia.

Daniel H. Temple: Stress chronology and periodicity among Jomon people from Hokkaido.

Andrea L. Waters-Rist, V.I. Bazaliiskii, A.W. Weber, O.I. Goriunova, and M.A. Katzenberg: Evaluating the Biological Discontinuity Hypothesis for Mid-Holocene Populations from Cis-Baikal, Siberia, using Dental Non-Metric Traits

Andrzej W. Weber: Understanding Middle Holocene Hunter-Gatherer Diets in Cis-Baikal, Siberia, Using the IsoSource Mixing Model.

Minoru Yoneda, Yuichi Naito, Takashi Gakuhari, Chiaki Katagiri, and Naomi Doi: Island Adaptation on the Ryukyu Islands from Pleistocene to Early Holocene.

Shimoda Y, Yoneda M, Naito YI, Nagaoka T, Ishida H. Reconstruction of life activity and subsistence in people of the prehistoric Okhotsk culture, northern Japan.

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### **Baikal-Hokkaido Archaeological Project Radiocarbon Dating and Stable Isotope Research Meeting and Workshop Oxford, U.K., July 16-18, 2012**

#### **16 July**

12:00

Welcome

12:30–13:00

Chris Ramsey – Introduction to methods of chronological analysis

13:00–14:00

*Lunch*

14:00–14:20

Andrzej Weber – Modelling hunter-gatherer diets using stable isotope data

14:20–14:40

Andrea Waters-Rist – Sulphur isotopes in ancient human bone collagen from the Lake Baikal Region of Siberia: freshwater ecosystem variation as a residence & dietary tracer

14:40–15:00	<u>Ian Scharlotta</u> – Micro-sampling of skeletal materials for mobility studies
15:00–15:30	<i>Coffee</i>
15:30–15:50	Robert Hedges, Ol Craig & Tom Higham – Calibrating the fish 14C reservoir and stable isotope systematics in diets of humans killed in the AD 79 Vesuvius eruption
15:50–16:20	James McCullaugh, Tom Higham, Anat Marom, Shweta Chavan, Clive Bonsall and Robert Hedges Towards identifying freshwater carbon reservoir effects by radiocarbon dating individual amino acids from archaeological bone collagen
16:10–17:00	Discussion
<b>17 July</b>	
9:10–9:30	T. Omori – Radiocarbon data meta-analysis
9:30–9:50	<u>Hitoshi Yonenobu</u> – Kushu Lake coring project: age-depth models
9:50–10:10	Anson Mackay – Holocene environmental history in the Lake Baikal region: a palaeolimnological perspective
10:10–10:30	<u>Rob Losey</u> – Baikal Radiocarbon databases
10:30–11:00	<i>Coffee</i>
11:00–11:30	<u>Andrzej Weber</u> – Analysis of radiocarbon dates from Shamanka II cemetery
11:3–12:00	<u>Minoru Yoneda</u> – Preliminary results on amino acid $\delta^{15}\text{N}$ analysis on Cis-Baikal Neolithic materials
12:00–13:00	Discussion
13:00–14:00	<i>Lunch</i>
14:00–17:00	Workshops: i. reservoir effects; ii. age modelling in the contexts of Baikal and Hokkaido
<b>18 July</b>	
9:00–10:30	Workshops
10:30–11:00	<i>Coffee</i>
11:00–12:00	Workshops
12:00–13:00	The Way Forward – open discussion of issues arising during the meeting, and ideas on how to proceed.
13:00–14:00	<i>Lunch</i> Meeting ends 14:00

**Baikal–Hokkaido Archaeology Project International Workshop: 'Early Pottery in Northeast Asia'  
Sakhalin, Russia, March 8-10, 2012**

**Hosted by:** A.A. Vasilevski / Sakhalin Laboratory of Archaeology and Ethnography, Siberian Branch of the Russian Academy of Sciences and Sakhalin State University

**Co-organizers:** Prof. A.V. Vasilevski (Sakhalin State University); Prof. Hirofumi Kato (Hokkaido University / BHAP); Prof. Peter Jordan (University of Aberdeen / BHAP)

**RESEARCH GOALS AND GENERAL OVERVIEW**

The emergence of pottery is one of the most important questions in Old World archaeology. Traditionally linked to the rise of settled farming communities in the Middle East, it is now clear that the world's oldest pottery emerged among hunter-gatherers in East Asia during phases of sudden climatic and environmental change. This international workshop assembled researchers from Russia, UK and Japan and focused on current research into Late Pleistocene / Holocene hunter-gatherer archaeology and palaeoenvironments in Honshu, Hokkaido, Sakhalin, the Amur and in Eurasia more generally. It aimed to:

- Present and discuss recent archaeological data and materials from across NE Asia / Eurasia
- Critically review current models for (a) the emergence of pottery, (b) the Palaeolithic/Neolithic transition in NE Asia, and more generally, (c) explore the suite of cultural and technological responses by prehistoric hunter-gatherers to climate-change in the post-glacial environments of NE Asia.
- Review how some of these current research hypotheses/models can now be tested using new scientific methods and approaches (e.g. organic residue analysis of early pottery wares to reconstruct dietary patterns and adaptations).
- To take this agenda forwards, specialists also worked with local collections and sampled Early Neolithic pottery from across Sakhalin.
- In order to understand the landscape and environmental contexts of Sakhalin's early/Middle Neolithic archaeology, the group also visited sites and research centres located on the shores of the Okhotsk Sea, SE Sakhalin.

**WORKSHOP: PARTICIPANTS, PAPERS AND PROGRAM**

**Summary of Research Papers:**

- A.V. Vasilevski (Sakhalin Lab. of Arch. and Ethnog. RAS.): Opening Address and welcome / Sakhalin Archaeology in Northeast Asian Context
- Peter Jordan (Aberdeen University): Early Pottery Origins and Dispersals in Northern Eurasia: Current Insights and

#### Future Research Questions

- I.A. Shewkomud (Khabarovsk Regional Museum): Early Pottery and the Osipovka Culture of the Lower Amur, Russian Far East
- Kevin Gibbs (Aberdeen University): Comparative Insights into Early Pottery in the Middle East / Ceramic Analysis in NE Asia: Technology, Use and Provenance [2 papers]
- Hirofumi Kato (Hokkaido University): Jomon Origins in Hokkaido and Northeast Asia
- Tetsuhiro Tomoda (Asahikawa Archaeological Research Centre): Review of Jomon Pottery in NW Hokkaido
- Toshiro Yamahara (Obihiro City Museum): Early Hunter-Gatherer Pottery in Northeast Hokkaido
- V.A. Grishchenko (Sakhalin Lab. of Arch. and Ethnol. RAS.): New Research into the Early Neolithic of Sakhalin Island
- I.A. Samarin (Yuzhno-Sakhalinsk Museum): Early Jomon Archaeology of the Kurils
- O.A. Shubina (Yuzhno-Sakhalinsk Museum): Middle Jomon Archaeology of the Kurils

#### Discussant:

- A.N. Popov (Director of Museums, Far Eastern National University, Vladivostok).

Also present: Ren Iwanami (MA student, Hokkaido University); local Sakhalin archaeologists/students.

#### Other Research Activities:

- Whole group: (a) general work/discussion of local/regional pottery collections and (b) sampling Early/Middle/Late Neolithic pottery from Sakhalin for surface and absorbed organic residues (11th March 2012). Whole group: visit to sites and archaeological research centre on shores of Okhotsk Sea Coast (12th-13th March 2012)

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***'Bridging Eurasia' Research Initiative 3<sup>rd</sup> International Workshop***  
***'Archives, Proxies and Approaches to Reconstruct Holocene***  
***Environments and Human Dynamics in East Asia: Contribution to***  
***Baikal-Hokkaido Archaeology Project' Berlin, Germany, November 7–8, 2011***

**Jointly organized by:** German Archaeological Institute, Department of Eurasian Archaeology and Beijing Branch Office (Prof. Dr. Mayke Wagner), and Free University Berlin, Institute of Geological Sciences (PD Dr. Pavel Tarasov) and BHAP (Dr. Dustin White, Prof. Andrew Bush)

**Local Organizing committee:** Stefanie Müller, Dr. (FU Berlin, Geological Sciences), Steffi Hildebrandt (FU Berlin, Geological Sciences), Dominic Hosner, Richard Ehrich (German Archaeological Institute, Eurasian Archaeology), Annette Kossler, PD Dr, Jan Evers (FU Berlin, Geological Sciences).

#### Monday, November 7

9:00–9:15 Gathering in the conference room, coffee

9:15–9:30 M. Wagner/P. Tarasov: Welcome to participants. Brief outline of the workshop aims  
Self-introduction of participants

Chairman: R. Losey

9:30–10:00 D. White: Introduction of Baikal-Hokkaido Archaeology Project and its Environmental Module

10:00–10:30 A. Bush/E. Collier: Global and regional climate modeling: Applications to Holocene climate change in the Lake Baikal Region and in the North-Western Pacific

10:30–11:00 *Coffee break*

Chairman: A. Bush

11:00–11:30 M. Wagner: Mapping of human dynamics in northern China since the Neolithic

11:30–12:00 H. Meyer/B. Chaplignin: Holocene oxygen isotope record of diatoms and its palaeoclimatic implications:  
Case Studies from Siberia

12:00–13:00 *Lunch break*

Chairman: M. Wagner

13:00–13:30 E. Bezrukova: Pollen studies and pollen-based environmental reconstructions in the Lake Baikal Region:  
current results and future perspective

13:30–14:00 T. Kleinen: Holocene climate and vegetation modeling: Eurasian perspective

14:00–14:20 *Coffee break*

Chairman: D. White

14:20–14:40 D. Demske: Facilitating palaeoenvironmental studies: photo documentation of fossil palynomorphs from Lake Suigetsu and analysis of surface samples from Hokkaido and Sakhalin

14:40–15:00 A. Kossler: Potential of high-resolution diatom studies: Results from Lake Suigetsu, Japan

- 15:00–15:10 P. Tarasov: Special Issue of Quaternary International ‘Baikal-Hokkaido’ (co-edited by P. Tarasov; D. White and A. Weber): Current Progress
- 15:10–16:00 10-minute presentations of PhD students:  
S. Hildebrandt: Variations in vegetation and climate reflected in the modern pollen spectra from the Lake Baikal region, Siberia  
C. Leipe: Surface pollen spectra from monsoonal Asia and its application for quantitative reconstruction of Holocene vegetation and climate  
M. Bergemann: Parametrisation of a plant moisture budget: Implementation and application in BIOME I model for northern Asia  
L. Taft:  $\delta^{18}\text{O}$  and  $\delta^{13}\text{C}$  analyses in shells of the freshwater gastropod *Radix* sp. Potential analysis of a new palaeoclimate archive for the Tibetan Plateau  
Ding Wie: Pollen data from China: reconstructions of human impact and environmental change
- 16:00–16:30 General Discussion: Moderators D. White/P. Tarasov
- 16:30–17:00 *Coffee break*
- 17:00–18:00 R. Losey: Public lecture: Bear Ritual at the Shamanka Cemetery on Lake Baikal, Siberia  
**Deutsches Archäologisches Institut, Gartensaal, Peter-Lenné-Str. 32, 14195 Berlin**

## Tuesday, November 8

- 9:30–15:00 Continuation of the workshop (palaeoenvironmental group) in the Institute of Geological Sciences, FU Berlin (Campus Lankwitz, Building D. Room D012).  
Discussion of the next joint steps in environmental research and modeling.

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### Baikal–Hokkaido Archaeology Project Start-up Meetings Jozankei and Sapporo, Japan, July 15–22, 2011

**Attendees:** Adachi N, Antonova A, Bamforth F, Bazaliiskii V, Bezrukova E, Bush A, Fraser-Shapiro (Scharlotta) I, Friedman L, Fujisawa, Fukase H, Goriunova O, Habu J, Hiob A, Hirasawa Y, Hirata D, Hondoh T, Hudson M, Ishida H, Iwaki O, Iwanami R, Jordan P, Kato H, Kato T, Katsuki R, Kiyama K, Lieverse A, Losey R, Masuda R, McKenzie H, Moussa N, Mueller S, Novikov A, Okada M, Omote K, Onishi R, Ramsey CR, Sato T, Savel'ev N, Schulting R, Schurr T, Suzuki K, Tarasov P, Temple D, Tomoda T, Urushibara M, Wagner M, Watanabe T, Weber A, White D, Yamahara T, Yoneda M, Yoshida K.

#### Day 1, Friday, 15 July, 2011: Arrival, check in, Jozankei Hot Springs (Hotel Milione)

19:00–Late *Dinner and drinks at the hotel restaurant*

#### Day 2, Saturday, 16 July, 2011: Proceedings (Ainu Community Center near Jozankei)

- 6:45–08:30 *Breakfast at the hotel restaurant*
- 09:00 *Departure by bus for the Ainu Community Centre*
- 09:30–09:45 Welcome and introductions: H. Kato and A. Weber
- 09:45–10:15 Business meeting 1: Management, research plan, finances, advisory board, etc., leaders: A. Weber, A. Hiob
- 10:15–11:00 Business meeting 2: Academic dissemination, leaders: P. Jordan
- 11:00–11:15 *Coffee*
- 11:15–11:45 Business meeting 3: Public dissemination, leaders: H. McKenzie, 30 minutes
- 11:45–12:15 Business meeting 4: Student training (graduate & undergraduate), leaders: A. Lieverse, H. McKenzie
- 12:45–13:45 *Lunch, 60 minutes (catered at the Ainu Community Centre)*
- 13:45–14:15 Business meeting 5: Radiocarbon dating, leaders: C. Ramsey, M. Yoneda, K. Yoshida
- 14:15–14:45 Business meeting 6: Bone chemistry tests, leaders: R. Schulting, M. Yoneda
- 14:45–15:00 *Coffee*
- 15:00–15:30 Business meeting 7: Human osteological analyses, leaders: H. Ishida, A. Lieverse
- 15:30–16:00 Business meeting 8: Zooarchaeological studies (osteological and DNA), leaders: R. Losey, T. Sato, N. Savel'ev
- 16:00 *Return by bus to Hotel Milione*
- 19:00–Late *Dinner and drinks at the hotel restaurant*

#### Day 3, Sunday, 17 July, 2011: Official opening ceremony and public lectures (Hokkaido University Sapporo)

- 6:45–08:30 *Breakfast at the hotel restaurant*
- 08:30 *Departure by bus for Hokkaido University*

- 10:00–10:30 Welcome: Prof. H. Kato, Hokkaido University  
 Opening addresses: Prof. T. Hondoh, Vice-President, Hokkaido University; Mr. T. Kato, President, Ainu Association; Mr. O. Iwaki, Superintendent, Board of Education, Kafuka, Rebun Island; Prof. A. Weber, University of Alberta
- 10:30–11:30 Lecture 1: P. Jordan, University of Aberdeen, United Kingdom: Holocene hunter-gatherers of Northeast Asia and Hokkaido archaeology and project overview
- 11:30–11:45 *Coffee*
- 11:45–12:45 Lecture 2: R. Losey, University of Alberta, Canada: Ten years of the Baikal Archaeology Project
- 12:45–14:00 *Lunch*
- 14:00–15:00 Lecture 3: A. Lieverse, University of Saskatchewan, Canada: Bioarchaeology of human skeletal remains: Hokkaido and Baikal
- 15:00–16:00 Lecture 4: J. Habu, University of California, Berkeley: Subsistence specialization, climate change, and human impacts on the Jomon landscape: A case study from northern Japan
- 17:00 *Return by bus to Hotel Milione*

**Day 4, Monday, 18 July, 2011: Proceedings (Ainu Community Center near Jozankei)**

- 6:45–08:30 *Breakfast at the hotel restaurant*
- 09:00 *Departure by bus for the Ainu Community Centre*
- 09:30–10:15 Lecture 5: V.I. Bazaliiskii, Neolithic cemeteries on the Angara and southwest Baikal, Siberia
- 10:15–11:00 Lecture 6: O.I. Goriunova, AG Novikov, Neolithic and Bronze Age cemeteries on Lake Baikal
- 11:00–11:15 *Coffee*
- 11:15–11:45 Business meeting 9: Human DNA work, leaders: R. Masuda, F. Bamforth, N. Adachi
- 11:45–12:15 Business meeting 10: Paleoenvironmental fieldwork, leaders: D. White, E. Bezzukova
- 12:15–13:15 *Lunch; 60 minutes (catered at the Ainu Community Centre)*
- 13:15–13:45 Business meeting 11: Paleoenvironmental modeling, leaders: P. Tarasov, A. Bush
- 13:45–14:15 Business meeting 12: Mortuary archaeology (Baikal), leaders: H. McKenzie, V.I. Bazaliiskii, O.I. Goriunova
- 14:15–14:30 *Coffee*
- 14:30–16:00 Plenary session and closing addresses, leaders: A. Weber, H. Kato
- 16:00 *Return by bus to Hotel Milione*
- 19:00–Late *Dinner and drinks at the hotel restaurant*

**Day 5, Tuesday, 19 July, 2011: Departure home or transfer to Rebun Island (optional)**

- 6:45–08:30 Breakfast at the hotel restaurant
- 09:00 Departure home or transfer to Rebun Island for excursion  
 ANA Hotel Wakkanai

**Day 6, Wednesday, 20 July, 2011: Rebun Island (visit Funadomari and Hamanaka sites)**

Hotel Rebun, Kafuka, Rebun Island

**Day 7, Thursday, 21 July, 2011: Free day. Sightseeing on Rebun Island**

Hotel Rebun, Kafuka, Rebun Island

**Day 8, Friday, 22 July, 2011: Departure of participants from Rebun Island**

Travel day to Sapporo, arrive in the evening c. 8:00pm.