

ZERESENAY “ZERAY” ALEMSEGED

CONTACT

Alemseged Lab

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Department of
Organismal Biology & Anatomy
University of Chicago
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Chicago, IL 60637

EDUCATION

1998 Ph.D., Laboratory of
Paleontology, University of
Paris VI and the National
Museum of Natural History,
Paris, France

1994 M.Sc., Paleontology, Institute
of Evolutionary Sciences,
University of Montpellier II,
France

1993 French Language Diploma,
Cavilam de Vichy International
Language School, Vichy, France

1990 B.Sc., Geology, Department
of Geology, Addis Ababa
University, Ethiopia

I am interested in human evolution in general, and specifically in the events surrounding the origin and diversification of early hominins in the Mio-Pliocene and how these processes were shaped by underlying environmental and ecological factors. I am also interested in the evolutionary history of the non-human primates (Cercopithecidae) that are often encountered in Plio-Pleistocene hominin sites.

ACADEMIC APPOINTMENTS

Current:

Donald N. Pritzker Professor
Department of Organismal Biology and Anatomy
University of Chicago

Previous:

2008-2016 Irvine Chair and Senior Curator of Anthropology
Department of Vertebrate Zoology and Anthropology
Institute for Biodiversity Science and Sustainability
The California Academy of Sciences, San Francisco, USA

2004-2008 Senior Scientist
Department of Human Evolution
Max Planck Institute for Evolutionary Anthropology,
Leipzig, Germany

2000-2003 Postdoctoral Research Associate
Institute of Human Origins
School of Human Evolution and Social Change
Arizona State University, Tempe, USA

1998-2000 Research Associate
French Center for Ethiopian Studies, Addis Ababa,
Ethiopia

1991-1993 Junior Geologist
Paleoanthropology Laboratory
National Museum of Ethiopia, Addis Ababa, Ethiopia

HONORS AND AWARDS

2022 Appointed to the **Pontifical Academy of Science**

2022 Appointed to **Comité Scientifique International du Musée d'Anthropologie Préhistorique de Monaco**

2021 Elected to the **American Academy of Arts & Sciences**

2018 Named the Donald N. Pritzker Professor by the **University of Chicago**

2014 Named an Expert by the **National Geographic Society**

2013 Named a Fellow of the **American Association for the Advancement of Science**

2011 Named a Fellow of the **California Academy of Sciences**

2004 Identified as Emerging Explorer by the **National Geographic Society**

ZERESENEY “ZERAY” ALEMSEGED

1993-1998 Full scholarship, **Centre National des Oeuvres Universitaires**, Paris, France

PREVIOUS ACADEMIC AFFILIATIONS

2011 Lecturer, Advanced Human Evolution, Department of Earth Sciences, **Addis Ababa University**

2007 Lecturer, Advanced Human Evolution, Department of Earth Sciences, **Addis Ababa University**

2005-2008 Coordinator and Lecturer, Paleoanthropology, International Max Planck Research School, **University of Leipzig** and the **Max Planck Institute for Evolutionary Anthropology**

PROFESSIONAL SERVICE

Current:

Member of the Board of University Publications
University of Chicago

Member of the College Council
University of Chicago

Founding Member and Co-Chair (since 2015)
African Rift Valley Research Consortium

Scientific Executive Committee
The Leakey Foundation

Previous:

2016-2022 Scientific Advisory Council Member, **Wenner-Gren Foundation**

2012-2016 Panel Reviewer, **Wenner-Gren Foundation**

2005-2022 Co-Founder and President, **East African Association of Paleontology and Paleoanthropology (EAAPP)**

2004-2008 Associate Editor, **Journal of Human Evolution**

EXHIBIT DEVELOPMENT

2016 Rediscovering Selam, **The California Academy of Sciences**, San Francisco

2013 Human Odyssey, **The California Academy of Sciences**, San Francisco

MEMBERSHIPS

Working Group for Sub-Saharan Africa

African Rift Valley Research Consortium (Co-Founder and Co-Chair)

East African Association for Paleontology and Paleoanthropology (Co-Founder)

Paleoanthropology Society

American Association of Physical Anthropologists

American Association for the Advancement of Science

RESEARCH AND TRAINING GRANTS

- 2022 “AnaTomical shApeS (ATLAS): Transferring Knowledge in Computation Anatomy to Study Early Human Evolution in Africa.” **University of Chicago**
- 2018 “Combining hands-on material and virtual anthropology for enhanced teaching of human evolution.” **Curricular Innovation Fund**
- 2015 “Collaborative research: integrative investigation of the evolution and biomechanics of mandibular form in hominids.” **National Science Foundation**
- 2015 “Ontogeny of the thoracolumbar transition in extant hominoids and *Australopithecus*.” **The Leakey Foundation**
- 2015 “East African Association for Paleoanthropology and Palaeontology Fifth Biennial Conference, Dar es Salaam, Tanzania.” **Paleontological Scientific Trust (PAST)**
- 2013 “Integrating multidisciplinary tools to study Plio-Pleistocene paleoecology of early hominins from the Omo Valley, Ethiopia.” **National Science Foundation**
- 2013 “The Hominid Sites And Paleolakes Drilling Project: Acquiring a High Resolution Paleoenvironmental Context of Human Evolution.” **National Science Foundation**
- 2011 “East African Association for Paleoanthropology and Palaeontology Third Conference, Addis Ababa, Ethiopia.” **Wenner-Gren Foundation**
- 2011 “East African Association for Paleoanthropology and Palaeontology Third Conference, Addis Ababa, Ethiopia.” **Paleontological Scientific Trust (PAST)**
- 2011 “Laboratory research on DIK-1-1 Skeleton.” **The Leakey Foundation**
- 2011 “A biogeochemical study of the diet of *Australopithecus afarensis*.” **National Science Foundation**
- 2010 “Integrative paleobiological and paleoenvironmental studies of early hominins at Dikika, Ethiopia.” **National Science Foundation**
- 2010 “Synchrotron imaging and analysis of *Australopithecus* fossils.” **European Synchrotron Radiation Facility**
- 2009 “Paleontological field research at Dikika, Ethiopia.” **National Science Foundation**
- 2009 “East African Association for Paleoanthropology and Palaeontology Second Conference, Arusha, Tanzania.” **Wenner-Gren Foundation**
- 2009 “East African Association for Paleoanthropology and Palaeontology Second Conference, Arusha, Tanzania.” **Paleontological Scientific Trust (PAST)**
- 2004-2008 “Paleoanthropological Field and Laboratory Research in Africa.” **Max Planck Society**
- 2003 “Laboratory analysis of hominin remains from Dikika, Ethiopia.” **National Geographic Society**
- 2002 “Fieldwork at the Dikika site of Ethiopia.” **National Geographic Society**
- 2001 “Exploring Plio-Pleistocene sites in the Afar Ethiopia.” **The Leakey Foundation**
- 2001 “Laboratory preparation and analysis of hominin remains from the Dikika site of Ethiopia.” **National Geographic Society**
- 2000 “Fieldwork at the Dikika and Asbole sites of Ethiopia.” **Institute of Human Origins**
- 2000-2001 “Fieldwork at the Dikika and Asbole sites of Ethiopia.” **CFEE**
- 1999 “Updating the status of paleoanthropological archives in Ethiopia.” **CFEE**
- 1998 “Description and analysis of a hominin cranium from Omo, Ethiopia.” **Collège de France**

ZERESENEY “ZERAY” ALEMSEGED

FIELD RESEARCH

Current:

Founder and Director

Mille-Logya Research Project, Afar, Ethiopia. Annual field research program in the Pliocene paleoanthropological site of Mille-Logya

Founder and Director

Dikika Research Project (DRP), Afar, Ethiopia. Annual field research program in the Pliocene paleo-anthropological site of Dikika and the Pleistocene archaeological and paleontological site of Asbole

Previous:

- 1999 Member, **The Site of Fejej Project**, south-western Ethiopia. A multidisciplinary project led by H. de Lumley
- 1999 Member, **Archaeological sites of Melka Kunture and Tiya**, Ethiopia. A multidisciplinary project led by Yonas Beyene
- 1994, 1999 Member, **The Site of Hadar Project**, Afar, Ethiopia. A multidisciplinary project led by D.C. Johanson and W.H. Kimbel
- 1996-1997 Co-Director, **Chorora Paleontological Mission**, Ethiopia

ONGOING LABORATORY RESEARCH

Examination of hominin teeth from Omo, with Dr. Fred Grine

Description and analysis of new hominid fossils from Mille-Logya, Ethiopia

Description and analysis of new hominid fossils from Dikika, Afar, Ethiopia

Description and analysis of new primate fossils from Asbole, Afar, Ethiopia

CT scan image analysis of DIK-1-1 and other hominin fossils

Qualitative, quantitative, and comparative approaches to the relationship between human evolution and the environment

RESEARCH VISITS

Continuing:

National Museum of Ethiopia

Addis Ababa, Ethiopia

Previous:

- 2013 **Senckenberg Institute**, Frankfurt, Germany
- 2012 **Max Planck Institute for Evolutionary Anthropology**, Leipzig, Germany
- 2011 **National Museum of Ethiopia**, Addis Ababa, Ethiopia
- 2009 **Cleveland Museum of Natural History**, Department of Physical Anthropology, Cleveland, USA
- 2008 **American Museum of Natural History**, Department of Paleontology, New York, USA
- 2008 **Smithsonian Institution**, Washington DC, USA
- 2003 **University College**, Department of Anatomy and Developmental Biology, London, UK

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2002	Powell Cotton Museum , Birchington, UK
2002	National Museums of Kenya , Nairobi, Kenya
2002	Smithsonian Institution , Washington DC, USA
2000	Smithsonian Institution , Washington DC, USA
2000	American Museum of Natural History , Department of Paleontology, New York, USA
1999	Transvaal Museum , Pretoria, South Africa

ADVISING AND COMMITTEE MEMBERSHIP

Postgraduate:

2023-current	Postdoctoral Supervisor, Austin Lawrence , University of Chicago
2021-2023	Postdoctoral Supervisor, Peter Stamos , University of Chicago
2020-2022	Postdoctoral Supervisor, Faye McGechie , University of Chicago
2017	Postdoctoral Supervisor, Andrew Du , University of Chicago
2017	Postdoctoral Supervisor, Amanda Smith , University of Chicago
2014-2016	Postdoctoral Supervisor, Thierra Nalley , The California Academy of Sciences
2005-2007	Postdoctoral Supervisor, Agazi Negash , Max Planck Institute of Evolutionary Anthropology

Graduate:

2021-current	Ph.D. Advisor, Madeleine Kelly , University of Chicago
2020-current	Ph.D. Advisor, Laura Hunter , University of Chicago
2019-current	Ph.D. Advisor, Hannah Farrell , University of Chicago
2019-current	Ph.D. Committee Member, Peishu Li , University of Chicago
2018-current	Ph.D. Co-Advisor, Weldeyared Hailu Reda , University of Chicago
2018-current	Ph.D. Committee Member, Alexa Lamprecht , University of Chicago
2018-2021	Ph.D. Committee Member, Robert Burroughs , University of Chicago
2017-current	Ph.D. Committee Member, Rossy Natale , University of Chicago
2013-2018	M.Sc. Supervisor, Weldeyared Hailu Reda , Addis Ababa University
2010-2020	Ph.D. Co-Advisor, Peter Stamos , UC Davis
2017-2018	M.Sc Thesis Co-Advisor, Eleanor Milman , University of Illinois at Chicago (UIC)
2010-2012	M.Sc. Thesis Supervisor, Enquye Wondimu , Addis Ababa University
2007-2009	M.Sc. Thesis Supervisor, Chalachew Mesfin , Addis Ababa University
2005-2009	Ph.D. Committee Member and Examiner, Soizic Le Fur , Université de Poitiers, France
2006-2010	Ph.D. Committee Member, Zelalem K. Bedaso , University of South Florida

Undergraduate:

2017-2018	Research Supervisor, Nathaniel Downey , University of Chicago
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- 2011 Advisor, **Kate Corbin**, SSI Program Intern, California Academy of Sciences
- 2010 Advisor, **Natalie Porter**, SSI Program Intern, California Academy of Sciences
- 2002-2003 Honors Thesis Committee Member, **Catherine Haradon**, Arizona State University

PUBLICATIONS

- 2024 Davies, T.W., Gunz, P., Spoor, F., **Alemseged, Z.**, Gidna, A., Hublin, J.-J., Kimbel, W.H., Kullmer, O., Plummer, W.P., Zanolli, C., Skinner, M.M., 2024. Dental morphology in *Homo habilis* and its implications for the evolution of early *Homo*. *Nat Commun.* 15, 286.
- 2023 Bobe, R., Aldeias, V., **Alemseged, Z.**, Anemone, R.L., Archer, W., Aumaître, G., Bamford, M.K., Biro, D., Bourlès, D.L., Doyle Boyd, M., Braun, D.R., Capelli, C., d’Oliveira Coelho, J., Habermann, J.M., Head, J.J., Keddadouche, K., Kupczik, K., Lebatard, A.-E., Lüdecke, T., Macôa, A., Martínez, F.I., Mathe, J., Mendes, C., Paulo, L.M., Pinto, M., Presnyakova, D., Püschel, T.A., Regala, F.T., Sier, M., Ferreira Da Silva, M.J., Stalmans, M., Carvalho, S., 2023. The first Miocene fossils from coastal woodlands in the southern East African Rift. *iScience.* 26, 107644.
- 2023 **Alemseged, Z.** Reappraising the palaeobiology of *Australopithecus*. *Nature* 617, 45–54.
- 2023 Stamos, P. & **Alemseged, Z.** Hominin Locomotion in the Late Miocene to Late Pliocene. *J. Hum. Evol.* 178, 103332.
- 2023 Smith, A.L., Davis, J., Panagiotopoulou, O., Taylor, A.B., Robinson, C., Ward, C.V., Kimbel, W.H., **Alemseged, Z.**, Ross, C.F., 2023. Does the model reflect the system? When two-dimensional biomechanics is not ‘good enough.’ *J. R. Soc. Interface.* 20, 20220536.
- 2022 Geraads, D. & **Alemseged, Z.** Comment (Case 3847) – Opposition to the proposed conservation of *Simopithecus oswaldi* Andrews, 1916 (currently *Theropithecus oswaldi*; Mammalia, Primates, Cercopithecidae), by reversal of precedence with *Cynocephalus atlanticus* Thomas, 1884 (see BZN 78: 99–106 [Case]). *The Bulletin of Zoological Nomenclature* 79.
- 2022 Negash, E.W., Bobe, R., **Alemseged, Z.**, Wynn, J. Mammalian Diversity Patterns and Paleoeology in the Lower Omo Valley, Ethiopia. In: Reynolds, S.C., Bobe, R. (Eds.), *African Paleoeology and Human Evolution*. Cambridge University Press, pp. 289–297.
- 2022 Bobe, R., Geraads, D., Wynn, J.G., Reed, D., Barr, A.W., **Alemseged, Z.** Fossil Vertebrates and Paleoenvironments of the Pliocene Hadar Formation at Dikika, Ethiopia. In: Reynolds, S.C., Bobe, R. (Eds.), *African Paleoeology and Human Evolution*. Cambridge University Press, pp. 229–241.
- 2021 **Alemseged, Z.** Earliest Stone Tool Use in Hominins and the Significance of the Dikika Cutmarks: Beyond the Cuts! In: Coppens, Y., Vialet, A. (Eds.), *Un Bouquet d’ancêtres. Premiers Humains: Qui Était Qui, Qui a Fait Quoi, Où et Quand?* Nouvelle Imprimerie Laballery, Clamecy, France, pp. 101–122.
- 2021 Smith, A.L., Robinson, C., Taylor, A.B., Panagiotopoulou, O., Davis, J., Ward, C., Kimbel, W.H., **Alemseged, Z.**, Ross, C.F. Comparative biomechanics of the *Pan* and *Macaca* mandibles during mastication: finite element modelling of loading, deformation and strain regimes. *Interface Focus* 11:20210031.
- 2021 Geraads, D., Reed, D., Barr, W.A., Bobe, R., Stamos, P., **Alemseged, Z.** Plio-Pleistocene mammals from Mille-Logya, Ethiopia, and the post-Hadar faunal change. *J. Quat. Sci.* 2021:1-17.
- 2021 Du, A., Rowan, J., Wang, S.C., Wood, B.A., **Alemseged, Z.**, On fossil recovery potential in the *Australopithecus anamensis*-*Australopithecus afarensis* lineage: A reply to Žliobaitė (2020). *J. Hum. Evol.* 157(2021).
- 2021 Davies, T.W., **Alemseged, Z.**, Gidna, A., Jean-Jacques, H., Kimbel, W.H., Kullmer, O., Spoor, F., Zanolli, C., Skinner, M.M. Accessory cusp expression at the enamel-dentine junction of hominin mandibular molars. *PeerJ* 9:e11415 DOI 10.7717/peerj.11415
- 2020 Wynn, J.G., **Alemseged, Z.**, Bobe, R., Grine, F.E., Negash, E.W., Sponheimer, M. Isotopic evidence for the timing of the dietary shift toward C4 foods in eastern African Paranthropus. *PNAS.* DOI: 10.1073/pnas.2006221117

- 2020 Negash, E.W., **Alemseged, Z.**, Bobe, R., Grine, F.E., Sponheimer, M., Wynn, J.G. Dietary trends in herbivores from the Shungura Formation, southwestern Ethiopia. PNAS DOI: 10.1073/pnas.2006982117
- 2020 **Alemseged, Z.**, Wynn, J.G., Geraads, D., Reed, D., Barr, W.A., Bobe, R., McPherron, S.P., Deino, A., Alene, M., Sier, M.J., Roman, D., Mohan, J. Fossils from Mille-Logya, Afar, Ethiopia, elucidate the link between Pliocene environmental changes and Homo origins. Nature Communications. (2020)11:2480.
- 2020 Gunz, P., Neubauer, S., Faulk, D., Tafforeau, P., Le Cabec, A., Smith, T.M., Kimbel, W.H., Spoor, F., **Alemseged, Z.**, *Australopithecus afarensis* endocasts suggest ape-like brain organization and prolonged brain growth. Science Advances. 6: eaaz4729.
- 2020 Lockey, A., **Alemseged, Z.**, Hublin, J., Skinner, M., Maxillary molar enamel thickness of Plio-Pleistocene hominins. Journal of Human Evolution. 138(3).
- 2020 Milman, E., Daugherty, J., **Alemseged, Z.**, Brennan, K., Lebowicz, L., Visualization of a Juvenile *Australopithecus afarensis* Specimen: Implications for Functional Foot Anatomy. Journal of Biocommunications. 43(2).
- 2020 Du, A., Rowan, J., Wang, S.C., Wood, B. A., **Alemseged, Z.**, Statistical estimates of hominin origination and extinction dates: A case study examining the *Australopithecus anamensis-afarensis* lineage. J. Hum. Evol. 138(1).
- 2019 Nalley, T.K., Scott, J.E., Ward, C.V., **Alemseged, Z.**, 2019. Comparative morphology and ontogeny of the thoracolumbar transition in great apes, humans, and fossil hominins. J. Hum. Evol. 134, 102632.
- 2019 Geraads, D., Barr, W.A., Reed D., Laurin, M., **Alemseged, Z.**, New Remains of *Camelus grattardi* (Mammalia, Camelidae) from the Plio-Pleistocene of Ethiopia and the Phylogeny of the Genus. Journal of Mammalian Evolution.
- 2019 Du, A. & **Alemseged, Z.**, Temporal evidence shows *Australopithecus sediba* is unlikely to be the ancestor of *Homo*. Sci. Adv. 5: eaav9038.
- 2019 **Alemseged, Z.**, Njau, J., Pobiner, B., & Ndiema, E., Connecting palaeoscientists in eastern Africa and the wider world. Nature Ecology & Evolution, 1.
- 2019 Thompson, J.C., Carvalho, S., Marean, C.W., **Alemseged, Z.** Origins of the human predatory pattern: The transition to large animal exploitation by early hominins. Current Anthropology. 60(1).
- 2019 Martinez, F.I., Capelli, C., da Silva, M.J.F, Aldeias, V., **Alemseged, Z.**, Archer, W., Bamford, M., Biro, D., Bobe, R., Braun, D.R., Habermann, J.M., Lüdecke, T., Madiquida, H., Mathe, J., Negash, E., Paulo, L.M., Pinto, M., Stalmans, M., Tata, F., Carvalho, S. A missing piece of the *Papio* puzzle: Gorongosa baboon phenostructure and intrageneric relationships. J. Hum. Evol. 130: 1-20
- 2018 Du, A., **Alemseged, Z.** Diversity analysis of Plio-Pleistocene large mammal communities in the Omo-Turkana Basin, eastern Africa. J. Hum. Evol. 123: 1-15.
- 2018 DeSilva, J.M., Gill, C.M., Prang, T.C., Bredella, M.A., **Alemseged, Z.** A nearly complete foot from Dikika, Ethiopia and its implications for the ontogeny and function of *Australopithecus afarensis*. Sci Adv. 4(7), eaar7723.
- 2017 Ward, C.V., Nalley, T.K., Spoor, F., Tafforeau, P., **Alemseged, Z.** Thoracic vertebral count and thoracolumbar transition in *Australopithecus afarensis*. PNAS. 114(23), 6000-6004.
- 2016 Wynn, Jonathan G., Reed, K.E., Sponheimer, M., Kimbel, W.H., **Alemseged, Z.**, Bedaso, Z.K., Campisano, C.J. Dietary flexibility of *Australopithecus afarensis* in the face of paleoecological change during the middle Pliocene: Faunal evidence from Hadar, Ethiopia. J. Hum. Evol. 99: 93-106.
- 2016 Young, N.M., Capellini, T.D., Roach, N.T., **Alemseged, Z.** Reply to Almécija: A new direction for reconstructing our last common ancestor with chimpanzees. PNAS 1525673113.
- 2015 Young, N.M., Capellini, T.D., Roach, N.T., **Alemseged, Z.** Reply to Melillo: Woranso-Mille is consistent with an australopithecine shoulder intermediate between African apes and Homo. PNAS 112:E7160.
- 2015 **Alemseged, Z.** Stable isotopes serving as a checkpoint. PNAS 112:12232-12233.

- 2015 Reed, D., Barr, W.A., McPherron, S.P., Bobe, R., Geraads, D., Wynn, J.G., **Alemseged, Z.** Digital data collection in paleoanthropology. *Evol. Anth.* 24:238-249.
- 2015 Young, N.M., Capellini, T.D., Roach, N.T., **Alemseged, Z.** Fossil hominin shoulders support an African ape-like last common ancestor of humans and chimpanzees. *PNAS* 112:11829-11834.
- 2015 Plummer, T., Ferraro, J.V., Louys, J.C., Hertel, F., **Alemseged, Z.**, Bobe, R., Bishop, L.C. Bovid ecomorphology and hominin paleoenvironments of the Shungura Formation, Lower Omo River Valley, Ethiopia. *J. Hum. Evol.* 88:108-126.
- 2015 Thompson, J.C., McPherron, S.P., Bobe, R., Reed, D., Barr, A., Wynn, J., Marean, C.W., Geraads, D., **Alemseged, Z.** Taphonomy of fossils from hominin-bearing deposits at Dikika, Ethiopia. *J. Hum. Evol.* 86:112-135.
- 2015 Negash, E., **Alemseged, Z.**, Wynn, J.G., Bedaso, Z.K. Paleodietary reconstruction using stable isotopes and abundance analysis of bovinds from the Shungura Formation of South Omo, Ethiopia. *J. Hum. Evol.* 88:127-136
- 2015 Skinner, M.M., **Alemseged, Z.**, Gaunitz, C., Hublin, J.-J. Enamel thickness trends in Plio-Pleistocene hominin mandibular molars. *J. Hum. Evol.* 85:35-45.
- 2015 Geraads, D., **Alemseged, Z.**, Bobe, R., Reed, D. Pliocene carnivora (Mammalia) from the Hadar Formation at Dikika, Lower Awash Valley, Ethiopia. *J. Afr. Sci.* 107:28-35.
- 2014 **Alemseged, Z.** Early hominins: synthesis. In: Renfrew, C., Bahn, P.G. (Eds.), *The Cambridge World Prehistory*. Cambridge University Press, pp. 47-64.
- 2013 Sponheimer, M., **Alemseged, Z.**, Cerline, T.E., Grine, F.E., Kimbel, W.H., Leakey, M.G., Lee-Thorp, J.A., Manthi, F.K., Reed, K.E., Wood, B.A., Wynn, J.G. Reply to Fontes-Villalba et al.: On a reluctance to conjecture about animal food consumption. *PNAS* 110(43):E4056.
- 2013 Wynn, J.G., Sponheimer, M., Kimbel, W.H., **Alemseged, Z.**, Reed, K., Bedaso, Z.K., Wilson, J.N. Diet of *Australopithecus afarensis* from the Pliocene Hadar Formation, Ethiopia. *PNAS* 110(26):10495-10500.
- 2013 Sponheimer, M., **Alemseged, Z.**, Cerling, T.E., Grine, F.G., Kimbel, W.H., Leakey, M.G., Lee-Thorp, J., Manthi, F.K., Reed, K., Wood, B., Wynn, J.G. Isotopic evidence of early hominin diets. *PNAS* 110(26):10513-10518.
- 2013 **Alemseged, Z.** *Australopithecus* in Ethiopia. In: Reed, K., Fleagle, J.G., and R.E. Leakey (Eds.), *The Paleobiology of Australopithecus*. Springer, Dordrecht, pp. 63-71.
- 2013 Smith, T., **Alemseged, Z.** Reconstructing hominid life history. *Nature Ed. Knowl.* 4(4):2.
- 2013 Bedaso, Z., Wynn, J.G., **Alemseged, Z.**, Geraads, D. Dietary and paleoenvironmental reconstruction using stable isotope analysis of herbivore tooth enamel from the Pliocene locality of Dikika, Ethiopia: implication for *Australopithecus afarensis* habitat and food resource. *J. Hum. Evol.* 64:21-38.
- 2012 Bostelmann, J.E., Bobe, R., Carrasco, G., Alloway, B.V., Santi-Malnis, P., Mancuso, A., Aguero, B., **Alemseged, Z.**, Godoy, Y. The Alto Rio Cisnes fossil fauna (Rio Frias Formation, Early Middle Miocene, Friasian Salma): a keystone and paradigmatic vertebrate assemblage of the South American fossil record. In: Leppe, M., Aravena, J.C., Villa-Martinez, R. (Eds.), *Abriendo Ventana al Pasado Libro de Resumenes III Simposio-Paleontologia en Chile*. INACH, pp. 42-45.
- 2012 Green, D.J., **Alemseged, Z.** *Australopithecus afarensis* scapular ontogeny, function, and the role of climbing in human evolution. *Science* 338:514-517.
- 2012 **Alemseged, Z.**, Kiura, P.W., Mbua, E., Njau, J., Pobiner, B. A platform for East African Paleoanthropology: third bi-annual conference of the EAAPP. *Evol. Anthropol.* 21:89-91.
- 2011 McPherron, S.P., **Alemseged, Z.**, Marean, C.W., Wynn, J.G., Reed, D., Geraads, D., Bobe, R., Béarat, H.A. Tool-marked bones from before the Oldowan change the paradigm. *PNAS* 108:E116.
- 2011 Geraads, D., **Alemseged, Z.**, Bobe, R., Reed, D. *Enhydriodon dikikae* sp. nov. (Carnivora: Mammalia), a gigantic otter from the Pliocene of Dikika, Lower Awash, Ethiopia. *J. Vert. Paleontol.* 31:447-453.

- 2010 McPherron, S.P., **Alemseged, Z.**, Marean, C.W., Wynn, J.G., Reed, D., Geraads, D., Bobe, R., Béarat, H. Evidence for stone tool-assisted consumption of animal tissues prior to 3.39 million years ago at Dikika, Ethiopia. *Nature* 466:857-860.
- 2010 Bedaso, Z., Wynn, J.G., **Alemseged, Z.**, Bobe, R., Reed, D. Paleoenvironmental reconstruction of the Asbole fauna (Busidima Formation, Afar, Ethiopia) using stable isotopes. *Geobios* 43:165-177.
- 2010 Geraads, D., **Alemseged, Z.**, Bobe, R., Reed, D. *Nyctereutes lockwoodi*, n. sp., a new canid (Carnivora: Mammalia) from the Middle Pliocene of Dikika, Lower Awash, Ethiopia. *J. Vert. Paleontol.* 30:981-987.
- 2009 **Alemseged, Z.**, Bobe, R. Diet in early hominin species: a paleoenvironmental perspective. In: Hublin, J.J., Richards, M.P. (Eds.), *The Evolution of Hominid Diets: Integrating Approaches to the Study of Palaeolithic Subsistence*. Springer, Dordrecht, pp. 179-186.
- 2009 Njau, J., Mbua, E., **Alemseged, Z.**, Pobiner, B. Second conference of the East African Association for Paleoanthropology and Paleontology: Fifty years after discovery of Zinjanthropus. *Evol. Anthropol.* 18:235-236.
- 2008 Wynn, J. G., Roman, D.C., **Alemseged, Z.**, Reed, D., Geraads, D., Munro, S. Stratigraphy, depositional environments and basin structure of the Hadar and Busidima Formations at Dikika, Ethiopia. In: Quade, J., Wynn, J.G. (Eds.), *The Geology of Early Humans in the Horn of Africa: Geological Society of America Special Paper 446*, pp. 1-32.
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- 2007 **Alemseged, Z.**, Bobe, R., Geraads, D. Comparability of fossil data and its significance for the interpretation of hominin environments: a case study in the lower Omo valley, Ethiopia. In: Bobe, R., **Alemseged, Z.**, Behrensmeyer, A.K. (Eds.), *Hominin Environments in the East African Pliocene: An Assessment of the Faunal Evidence*. Springer, Dordrecht, pp. 159-181.
- 2007 Behrensmeyer, A.K., Bobe, R., **Alemseged, Z.** Approaches to the analysis of faunal change during the East African Pliocene. In: Bobe, R., **Alemseged, Z.**, Behrensmeyer, A.K. (Eds.), *Hominin Environments in the East African Pliocene: An Assessment of the Faunal Evidence*. Springer, Dordrecht, pp. 1-24.
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- 2007 Frost, S.R., **Alemseged, Z.** Middle Pleistocene fossil Cercopithecidae from Asbole, Afar Region, Ethiopia. *J. Hum. Evol.* 53:227-259.
- 2007 Bobe, R., **Alemseged, Z.**, Behrensmeyer, A.K. (Eds.). *Hominin Environments in the East African Pliocene: An Assessment of the Faunal Evidence*. Vertebrate Paleobiology and Paleoanthropology Series, Springer, Dordrecht.
- 2006 **Alemseged, Z.**, Spoor, F., Kimbel, W.H., Bobe, R., Geraads, D., Reed, D., Wynn, J.G. A juvenile early hominin skeleton from Dikika, Ethiopia. *Nature* 443:296-301.
- 2006 Wynn, J.G., **Alemseged, Z.**, Bobe, R., Geraads, D., Reed, D., Roman, D.C. Geological and palaeontological context of a Pliocene juvenile hominin at Dikika, Ethiopia. *Nature* 443:332-336.
- 2005 **Alemseged, Z.**, Wynn, J.G., Kimbel, W.H., Reed, D., Geraads, D., Bobe, R. A new hominin from the Basal Member of the Hadar Formation, Dikika, Ethiopia and its geological context. *J. Hum. Evol.* 49:499-514.
- 2004 de Lumley, H., Bahain, J.-J. Beyene, Y., Marchal, F., **Alemseged, Z.** Les formation Plio-Pleistocenes du bassin de l’Omo-Turkana. In: De Lumley, H., Beyene, Y. (Eds.), *Les Sites Préhistoriques de la Région de Fejej, Sud-Omo, Ethiopie, dans leurs Contexte Stratigraphique et Paleontologique*. Éditions Recherche sur les Civilisations, Paris, pp. 81-107.
- 2004 Echassoux, A., Moullé, P.E., Desclaux, E., **Alemseged, Z.** Les faunes Plio-Pleistocene du site de Fejej FJ-1. In: De Lumley, H., Beyene, Y. (Eds.), *Les Sites Préhistoriques de la Région de Fejej, Sud-Omo, Ethiopie, dans leurs Contexte Stratigraphique et Paleontologique*. Éditions Recherche sur les Civilisations, Paris, pp. 203-340.
- 2004 Geraads, D., **Alemseged, Z.**, Reed, D., Wynn, J. The Pleistocene fauna (other than Primates) from Asbole, lower Awash Valley, Ethiopia, and its environmental and biochronological implications. *Geobios* 37:697-718.

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- 2003 **Alemseged, Z.** An integrated approach to taphonomy and faunal change in the Shungura Formation (Ethiopia) and its implication for hominid evolution. *J. Hum. Evol.* 44:1-28.
- 2002 **Alemseged, Z.**, Coppens, Y., Geraads, D. Hominid cranium from Omo: Description and taxonomy of Omo-323-1976-896. *Am. J. Phys. Anthropol.* 117:103-112.
- 2002 Geraads D., **Alemseged, Z.**, Bellon, H. The late Miocene Mammalian fauna of Chorora, Awash basin, Ethiopia: systematics, biochronology and 40K-40Ar ages of associated volcanics. *Tertiary Res.* 21(1-4):113-122.
- 2001 Moullé, P.E., Echassoux, A., **Alemseged, Z.**, Desclaux, E. On the presence of *Elephas recki* at the Oldowan prehistoric site of Fejej FJ-1 (Ethiopia). International Congress on The World of Elephants, Rome.
- 2000 **Alemseged, Z.**, Geraads, D. A new Middle Pleistocene Fauna from the Busidima-Telalak region of the Afar, Ethiopia. *C. R. Acad. Sci., Paris* 331:549-556.
- 2000 **Alemseged, Z.** Plio-Pleistocene Hominids and Their Environment in the Lower Omo Valley, Ethiopia. *Annls. Ethiopie* 20:1-5.
- 1999 **Alemseged, Z.** La basse valle de l’Omo (Ethiopie). In: Berillon, G., Bacon, A.M., Marchal, F., Deloison, Y. (Eds.), *Les Australopitheques*. Editions Artcom.
- 1998 **Alemseged, Z.**, Geraads, D. *Theropithecus atlanticus* (Thomas, 1884) (Primates: Cercopithecidae) from the late Pliocene of Ahl al Oughlam, Casablanca, Morocco. *J. Hum. Evol.* 34(6):609-621.
- 1996 **Alemseged, Z.**, Geraads, D., Coppens, Y., Guillemot, C. Taphonomical and paleoenvironmental study of Omo-33, a late Pliocene hominid locality of the lower Omo basin, Ethiopia. *Rev. Paléobiol.* 15(2):339-347.

SCIENTIFIC PODIUM PRESENTATIONS

- 2023 Kelly, M., Koski, K., Mavuso, S., Braun, D.R., **Alemseged, Z.** Enamel stable oxygen isotopes reconstruct precipitation changes and depositional environment variation in the Turkana Basin. 92nd Annual Meeting of the American Association of Biological Anthropologists, Reno, NV (April 22).
- 2023 Schwartz, R., Farrell, H.N., **Alemseged, Z.** Trabecular response to variation in loading environments in the hominoid clavicle. 92nd Annual Meeting of the American Association of Biological Anthropologists, Reno, NV (April 22).
- 2023 Farrell, H.N., **Alemseged, Z.** Ontogenetic shape changes in the hominoid clavicle and the morphology of the *Australopithecus afarensis* juvenile DIK-1-1. 92nd Annual Meeting of the American Association of Biological Anthropologists, Reno, NV (April 22).
- 2023 Hunter, L.E., Stamos, P.A., **Alemseged, Z.** Assessing morphological correlates of knuckle-walking behavior in hominid taxa based on carpals. 92nd Annual Meeting of the American Association of Biological Anthropologists, Reno, NV (April 22).
- 2023 Reda, W.H., Gunz, P., **Alemseged, Z.** Intraspecific variation and sexual dimorphism in the face of *Australopithecus afarensis*: an allometric perspective. 92nd Annual Meeting of the American Association of Biological Anthropologists, Reno, NV (April 22).
- 2023 Smith, A.L., **Alemseged, Z.**, Robinson, C.A., Ross, C.F., Taylor, A., Ward, C. Mandibular biomechanics of extant and fossil hominids: a collaboration with W. Kimbel. 92nd Annual Meeting of the American Association of Biological Anthropologists, Reno, NV (April 20).
- 2023 Robinson, C., **Alemseged, Z.**, Ross, C.F., Smith, A., Taylor, A., Ward, C. An assessment of the effectiveness of partial mandibles for identifying hominid specimens to species. 92nd Annual Meeting of the American Association of Biological Anthropologists, Reno, NV (April 20).
- 2023 **Alemseged, Z.** The status of *Australopithecus*. 92nd Annual Meeting of the American Association of Biological Anthropologists, Reno, NV (April 20).

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- 2023 Nalley, T.K., McGeachie, F., Grider-Potter, N., Scott, J.E., Reda, W.H., **Alemseged, Z.** Comparative ontogenetic analysis of the occipital condyles in humans, chimpanzees, gorillas, and *Australopithecus afarensis*. 92nd Annual Meeting of the American Association of Biological Anthropologists, Reno, NV (April 20).
- 2022 Farrell, H.N., Ross, C.F., **Alemseged, Z.**, The internal architecture of the hominoid clavicle and its implications for assessing locomotor behavior. 91st Annual Meeting of the American Association of Biological Anthropologists, Denver, CO (March 26).
- 2022 Reda, W.H., Gunz, P., **Alemseged, Z.**, Facial Ontogeny in *Australopithecus afarensis*: Interpreting Variation and Its Implication for Early Hominins Phylogeny. 2022 Meeting of the Paleoanthropology Society, Denver, CO (March 23).
- 2019 **Alemseged, Z.**, Wynn, J.G., Geraads, D., Reed, D., Barr, W.A., Bobe, R., McPherron, S., Hominin remains from Millelogya, Afar, Ethiopia: Implication for the origin of Homo. 27th Annual Meeting of the Paleoanthropology Society, Albuquerque, NM (April 9).
- 2019 Du, A. & **Alemseged, Z.**. Temporal evidence shows *Australopithecus sediba* is unlikely to be the ancestor of *Homo*. 27th Annual Meeting of the Paleoanthropology Society, Albuquerque, NM (April 9).
- 2019 Harris, J.A., Marean, C.W., Thompson, J., Torquato, M.G., **Alemseged, Z.**, McPherron, S., Otárola-Castillo, E.R. An updated Bayesian model of bone surface modification and application to the “Dikika Marks” (Ethiopia, 3.39Ma). 27th Annual Meeting of the Paleoanthropology Society, Albuquerque, NM (April 9).
- 2019 Smith, A.L., Ross, C.F., **Alemseged, Z.**, Taylor, A.B., Robinson, C., Ward, C.V., Gunz, P., & Kimbel, W.H. Biomechanics of the Hominidae mandible. 88th Annual Meeting of the American Association of Physical Anthropologists. Cleveland, OH (April).
- 2018 Nalley, T.K., Scott, J.E., Ward, C.V., **Alemseged, Z.** Comparative Ontogeny of the Thoracolumbar Transition in Great Apes, Humans, and Fossil Hominins. 87th Annual Meeting of the American Association of Physical Anthropologists. Austin, TX (14 April)
- 2018 Granatosky, M.C., Laird, M.F., Kuo, S., **Alemseged, Z.**, Ross, C.F. An XROMM analysis of midfoot mobility in non-human primates. 87th Annual Meeting of the American Association of Physical Anthropologists. Austin, TX (13 April)
- 2018 Skinner, M.M., Bailey, S.E., Gunz, P., Kimbel, W.H., **Alemseged, Z.**, Delezene, L.K., Menter, C., Moggi-Cecchi, J., Kupczik, K. Below the crown: examining interspecies variation in postcanine enamel thickness, EDJ, and root form in the *Paranthropus* clade. 87th Annual Meeting of the American Association of Physical Anthropologists. Austin, TX (12 April)
- 2018 Stamos, P.A., **Alemseged, Z.**, Chaudhari, A.J., Weaver, T.D. Using Machine Learning to predict locomotor behavior from femoral metaphyseal morphology in apes and humans. 87th Annual Meeting of the American Association of Physical Anthropologists. Austin, TX (12 April)
- 2018 **Alemseged, Z.**, Du, A., Rowan, J., Wood, B.A. Estimating the timing of and placing confidence intervals on the origination and extinction of the *Australopithecus anamensis-afarensis* lineage. 26th Annual Meeting of the Paleoanthropology Society, Austin, TX (11 April)
- 2018 Thompson, J.C., Carvalho, S., Marean, C. W., **Alemseged, Z.** Origins of the human predatory pattern: The transition to large animal exploitation by early hominins. 26th Annual Meeting of the Paleoanthropology Society, Austin, TX (10 April)
- 2017 Carvalho, S., Aldeias, V., **Alemseged, Z.**, Archer, W., Bamford, M., Biro, D., Bobe, R., Braun, D. R., Capelli, C., Cunha, E., Ferreira da Silva, M.J., Habermann, J., Ludecke, T., Madiquida, H., Martinez, F., Negash, E., Paulo, L. M., Pinto, M., Stalmans, M., Tátá, F., and Wynn, J. Gorongosa National Park and the biogeography of human origins in the Mio-Pliocene. 7th Annual meeting of the European Society for the Study of Human Evolution (ESHE), Leiden. (September)
- 2017 Skinner, M.M., Klassen, P., **Alemseged, Z.**, Wood, B., Hublin, J.J. Premolar root and canal variation in the hominin clade. 7th Annual meeting of the European Society for the Study of Human Evolution (ESHE), Leiden. (September)
- 2017 **Alemseged, Z.** Did *Australopithecus* climb? Sixth biennial conference of the East African Association for Paleoanthropology and Paleontology (EAAPP), (30 July-2 August)

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- 2016 **Alemseged, Z.**, Barr, W.A, Bobe, R., Geraads, D., McPherron, S., Reed, D., and Wynn, J. A new Late Pliocene Fauna from the Mille-Logya Project (MLP) Area, Afar Regional State, Ethiopia. 24th Annual Meeting of the Paleoanthropology Society. Atlanta, GA
- 2015 **Alemseged, Z.** Fifth Biennial Meeting of the East African Association of Paleontologists and Paleoanthropologists (EAAPP), Dar es Salaam, Tanzania
- 2015 **Alemseged, Z.** “Locomotor adaptation in *Australopithecus afarensis*.” Annual meeting of the American Association for the Advancement of Science, San Jose, CA (17 June)
- 2015 **Alemseged, Z.** “Understanding human evolutionary history.” Annual meeting of the American Association for the Advancement of Science, San Jose, CA (15 June)
- 2015 Thompson, J.C., McPherron, S., Marean, C.W., Bobe, R., **Alemseged, Z.** “Taphonomy of fossils from the hominin-bearing deposits at Dikika, Ethiopia.” 23rd Annual Meeting of the Paleoanthropology Society, San Francisco, CA (14 April)
- 2015 Young, N., **Alemseged, Z.** “The effects of growth on the shape of the Dikika juvenile *Australopithecus afarensis* scapula.” Poster presentation. 23rd Annual Meeting of the Paleoanthropology Society, San Francisco, CA (14 April)
- 2015 Seyoum, C.W., **Alemseged, Z.** “Dikika cercopithecids and paleoenvironment.” 84th Annual Meeting of the American Association of Physical Anthropologists, St. Louis, Mo (26 March)
- 2013 Corbin, K., **Alemseged, Z.** “Is Paranthropus monophyletic? Incorporating modular relationships in a cladistic analysis.” Annual Meeting of the Society for Integrative and Comparative Biology, San Francisco, CA (5 January)
- 2012 Bostelmann, J.E., Bobe, R., Carrasco, G., Alloway, B.V., Santi-Malnis, P., Mancuso, A., Aguero, B., **Alemseged, Z.**, Godoy, Y. “The Alto Rio Cisnes fossil fauna (Rio Frias Formation, Early Middle Miocene, Friasian Salma): a keystone and paradigmatic vertebrate assemblage of the South American fossil record.” Third Symposium of Paleontology, Chile. (October 2012)
- 2011 Bedaso, Z.K., Wynn, J.G., **Alemseged, Z.** “Pliocene paleoenvironments of the Awash Valley, Ethiopia: the isotope record of tooth enamel and its relevance to the Pliocene paleoclimate of northeastern Africa.” AGU, San Francisco, CA (5 December)
- 2011 Reed, D., McPherron, S., Barr, W.A., **Alemseged, Z.**, Bobe, R., Geraads, D., Wynn, J. “GPS data collection methods for paleoanthropology: examples from the Dikika Research Project geodatabase.” Biodiversity Information Standards – TDWG, New Orleans, Louisiana (16 October)
- 2011 **Alemseged, Z.**, Bedaso, Z.K., Wynn, J. “Plio-Pleistocene paleoenvironments and implications for hominin habitat and available resources.” Third Biennial Meeting of the East African Association of Paleontologists and Paleoanthropologists (EAAPP), Addis Ababa, Ethiopia (10 August)
- 2011 Reed, D., McPherron, S., Barr, W.A., **Alemseged, Z.**, Bobe, R., Geraads, D., Wynn, J.G. “A new GPS data collection methodology and data schema for integrating multiple project databases: examples from the Dikika Research Project geodatabase.” 80th Annual Meeting of the American Association of Physical Anthropologists, Minneapolis, Minnesota (12 April)
- 2011 Skinner, M.M., Schroer, K.E., Gunz, P., **Alemseged, Z.**, Wood, B.A., Hublin, J.-J. “Mandibular P4 morphology among Plio-Pleistocene hominins: taxonomic implications and morphological trends.” 80th Annual Meeting of the American Association of Physical Anthropologists, Minneapolis, Minnesota (13 April)
- 2011 Thompson, J.C., Lansing, S.W., Marean, C.W., McPherron, S., **Alemseged, Z.** “Experimental definition of bone surface signatures from natural unmodified stones and implications for early hominin subsistence.” 20th Annual Meeting of the Paleoanthropology Society, Minneapolis, Minnesota (12 April)
- 2011 Green, D.J., **Alemseged, Z.** “The primitive shoulder blade of *Australopithecus*.” 19th Annual Meeting of the Paleoanthropology Society, Minneapolis, Minnesota (12 April)

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- 2010 **Alemseged, Z.**, Bedaso, Z.K., Wynn, J.G., “Pliocene paleoenvironments of the Awash Valley, Ethiopia: the isotope record of tooth enamel and its relevance to the Pliocene paleoclimate of northeastern Africa.” American Geophysical Union Fall Meeting, San Francisco, California (13 December)
- 2009 Green, D., **Alemseged, Z.** “The ontogeny of extant hominid and *Australopithecus afarensis* shoulder morphology.” Paleoanthropology Meetings, Chicago, Illinois (1 April)
- 2009 **Alemseged, Z.** “Morphology and metrics of DIK-1-1 milk teeth.” Paleoanthropology Meetings, Chicago, Illinois (31 March)
- 2007 **Alemseged, Z.**, Spoor, F., Kimbel, W.H., Bobe, R., Geraads, D., Reed, D., Wynn, J. “Paleoanthropological research at Dikika, Ethiopia and comparative morphology of a juvenile hominin from DIK-1.” Annual Meeting of the American Association of Physical Anthropologists, Paleoanthropology Meetings, Philadelphia, Pennsylvania (27 March)
- 2007 Reed, D.N., **Alemseged, Z.**, Bobe, R., Geraads, D., McPherron, S., Wynn, J. “Taphonomy and local paleoecology of the juvenile hominin from DIK-1, Ethiopia.” Annual Meeting of the American Association of Physical Anthropologists, Paleoanthropology Meetings, Philadelphia, Pennsylvania (27 March)
- 2007 Wynn, J.G., **Alemseged, Z.**, Bobe, R., Geraads, D., Reed, D., Roman, D.C. “Geological and tectonic framework for the 3.8-0.6 Ma Dikika Research Project area, and its implications for the study of the paleoenvironments of human evolution in the Afar Depression, Ethiopia.” Annual Meeting of the American Association of Physical Anthropologists, Paleoanthropology Meetings, Philadelphia, Pennsylvania (27 March)
- 2007 Bobe, R., Geraads, D., Reed, D., **Alemseged, Z.**, Wynn, J. “Faunal context of the Pliocene Dikika locality, Hadar Formation, Ethiopia.” Annual Meeting of the American Association of Physical Anthropologists, Paleoanthropology Meetings, Philadelphia, Pennsylvania (27 March)
- 2007 **Alemseged, Z.**, Frost, S. “New Cercopithecoid fossils from Asbole, Ethiopia and their environmental and ecological significance.” Annual Meeting of the American Association of Physical Anthropologists, Philadelphia, Pennsylvania (30 March)
- 2005 **Alemseged, Z.**, Wynn, J. “A new *Australopithecus afarensis* P3 from Dikika, Ethiopia.” 12th Congress of the Pan African Archaeological Association for Prehistory and Related Studies (PAA), Gaborone, Botswana, (3 – 10 July)
- 2005 **Alemseged, Z.** “Ethical issues in physical anthropology research in developing countries.” 2nd Conference on Science, Cultural Heritage, Natural Heritage and Tourism, Mekelle University, Ethiopia (23 – 25 June)
- 2004 **Alemseged, Z.** “Major issues in Pliocene hominin paleoecology.” Workshop on Faunal Evidence for Hominin Paleocology in East Africa, National Museum of Natural History, Smithsonian Institution, Washington DC (21 – 23 May)
- 2004 Wynn, J.G., **Alemseged, Z.**, Roman, D.C. “On the relationship between paleoenvironment and human evolution at Dikika in the Afar, Ethiopia.” International Conference on the East African Rift System, Addis Ababa, Ethiopia (20 – 24 June)
- 2004 Bobe, R., Ferraro, J., Bishop, L., Plummer, T., **Alemseged, Z.** “Late Pliocene hominin paleoenvironments of the lower Omo Valley, Ethiopia: new data from bovid ecomorphic studies.” Paleoanthropology Meetings, Montreal, Canada (30 March)
- 2003 **Alemseged, Z.**, Bobe, R., Geraads, D. “Hominid environments and faunal change in the Lower Omo Valley, Ethiopia: a comparison of the French and American databases.” 72nd Annual Meeting of the American Association of Physical Anthropologists, Tempe, Arizona (24 April)
- 2003 Behrensmeyer, A.K., **Alemseged, Z.**, Bobe, R. “Key issues in the analysis of faunal changes across the East African Pliocene.” 72nd Annual Meeting of the American Association of Physical Anthropologists, Tempe, Arizona (24 April)
- 2003 Riel-Salvatore, J., **Alemseged, Z.**, Reed, D., Wynn, J. “Stone Age archaeological survey in the Busidima region, Ethiopia.” Paleoanthropology Meetings, Tempe, Arizona (23 April)

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- 2002 Orr, C., **Alemseged, Z.** “Estimation of body mass and diet for fossil cercopithecids from the Asbole area of the Afar, Ethiopia.” 71st Annual Meeting of the American Association of Physical Anthropologists, Buffalo, New York (12 April)
- 2002 **Alemseged, Z.** “Evidence for a major faunal turnover at around 2.3 Ma in the Shungura Formation, Ethiopia.” 71st Annual Meeting of the American Association of Physical Anthropologists, Buffalo, New York (12 April)
- 2001 Geraads, D., **Alemseged, Z.** “Omo-323-1976-898: A robust australopithecine from Member G of the Shungura Formation, Ethiopia.” 70th Annual Meeting of the American Association of Physical Anthropologists, Kansas City, Kansas (29 March)
- 2001 **Alemseged, Z.**, Geraads, D. “A new Middle Pleistocene fauna from the Busidima-Telalak region of the Afar, Ethiopia.” 70th Annual Meeting of the American Association of Physical Anthropologists, Kansas City, Kansas (30 March)
- 1998 **Alemseged, Z.** “On the habitat preference of *Australopithecus boisei*.” Dual Congress, Johannesburg, South Africa (28 June – 4 July)
- 1997 **Alemseged, Z.** “Mammals as indicators of paleoenvironment in the Shungura Formation.” Second European Workshop of Paleontology, Quillan, France (7 – 10 May)
- 1997 **Alemseged, Z.**, Geraads, D. “Mammalian fauna and some taphonomic aspects of the Shungura Formation, Ethiopia.” 45th Symposium of Vertebrate Paleontology, Derby, United Kingdom (8 – 12 December)

INVITED LECTURES

- 2023 **Alemseged, Z.** A look at *Australopithecus*. **Invited lecture**, Université de Toulouse, Toulouse, France. (October 26)
- 2023 **Alemseged, Z.** The new status of *Australopithecus*. **Colloquium “Lucy’s Heirs” in honor of Yves Coppens**, Collège de France, Paris, France. (June 15-16)
- 2023 **Alemseged, Z.** The new status of *Australopithecus* and its implications for our evolution. **Invited lecture**, Museum of Natural History, Copenhagen, Denmark. (March 2)
- 2022 **Alemseged, Z.** The changing face of *Australopithecus* and human origins in Africa. **Jennifer Ward Oppenheimer Inaugural Lecture**, University of Cambridge, UK. (21 November)
- 2019 **Alemseged, Z.** The significance of the Dikika cut marks; beyond the cuts! Who was who and who did what, where and when? New fossils, new artefacts, new techniques, new datings, new questions. **The Pontifical Academy of Sciences**, Vatican City.
- 2018 **Alemseged, Z.** From Walking on Two Legs to Large Brains: An Evolutionary History of Our Species. **Named Professorship Lecture**. (17 May)
- 2017 **Alemseged, Z.** Earliest stone tool use in the human lineage. Beyond cutmarks! **Wenner-Gren Foundation Keynote talk**. (3 November)
- 2017 **Alemseged, Z.** Earliest stone tool use in hominins: The need for a paradigm shift. **Colloque international Musée de L’Homme**, Paris. (8-9 June)
- 2017 **Alemseged, Z.** Insights into the paleobiology of *Australopithecus*: update from field and lab research. **Field Museum**. (31 May)
- 2017 **Alemseged, Z.** Functional Anatomy and Locomotion in *Australopithecus*: An ontogenetic perspective. **Evolutionary Morphology Lecture Series**. (4 May)
- 2016 **Alemseged, Z.** On the origin of humanity. **International Congress on World Civilizations and Creative Tourism**, Sofia, Bulgaria (Invited by the secretary general of the UNWTO; 29 November – 1 December)

- 2014 **Alemseged, Z.** “Research at Dikika, Ethiopia and the status of *Australopithecus afarensis*” Colloque International. Les Hominides du Pliocene et du Pleistocene Inferieur et Moyen dans le Monde. La Place de l’Homme de Tautavel, un Homo Heidelbergensis, il y a 450,000 Ans, **Centre Européen de Recherches Préhistoriques de Tautavel**, Arago, France (23 June)
- 2014 **United Nations World Tourism Organization**, Addis Ababa (16 July)
- 2013 School of Human Evolution and Social Change, **Arizona State University**, Tempe (7 December)
- 2013 Leakey Foundation Lecture Series, **The California Academy of Sciences**, San Francisco (3 December)
- 2013 Gustav Heinrich Ralph von Koenigswald Lecture Series, **Senckenberg Gessellschaft fur Naturforschung**, Germany (13 November)
- 2013 Rise of Humanity and Civilization Guest Lecture, **Stanford University**, Palo Alto, CA (3 October)
- 2013 **George Washington University** (24 September)
- 2013 **Cleveland Museum of Natural History** (19 September)
- 2013 Pritzker Lecture Series, **The California Academy of Sciences**, San Francisco (13 February)
- 2012 **Johanes Gutenberg University**, Mainz, Germany (26 June)
- 2012 School of Human Evolution and Social Change, **Arizona State University**, Tempe (26 – 28 April)
- 2012 **University of Chile**, Santiago (14 December)
- 2011 Fellow’s Event Lecture Series, **The California Academy of Sciences**, San Francisco (11 October)
- 2011 **University of South Florida**, Tampa (8 April)
- 2011 Keynote Speaker at **ITB Berlin**, Germany (9 March)
- 2011 Pritzker Lecture Series, **The California Academy of Sciences**, San Francisco (8 March)
- 2011 **National Museum of Ethiopia**, Addis Ababa (5 October)
- 2010 Bio Forum Event on Human Evolution, **The California Academy of Sciences**, San Francisco (6 November)
- 2010 Guest of Honor at the **Agere Awards Ceremony**, Atlanta, GA (17 October)
- 2010 **The Leakey Foundation**, San Francisco, CA (15 October)
- 2010 **Addis Ababa**, Ethiopia
- 2010 **University of California**, Berkeley (12 October)
- 2010 **Mekelle University**, Ethiopia (13 April)
- 2010 **College de France**, Paris (25 March)
- 2009 Major Issues in Modern Biology lecture series, **University of California-Davis** (12 May)
- 2009 Eastwood Associates’ Lecture Series, **The California Academy of Sciences**, San Francisco (14 April)
- 2009 Pritzker Lecture Series, **The California Academy of Sciences**, San Francisco (14 April)
- 2008 **The American Museum of Natural History/The Leakey Foundation**, New York, NY (1 May)
- 2008 **The Field Museum of Natural History/The Leakey Foundation**, Chicago, IL (12 April)
- 2008 **The Swedish Museum of Natural History**, Stockholm (5 March)
- 2007 **TED Global**, Arusha, Tanzania (4 June)
- 2007 **The Smithsonian Institution/The Leakey Foundation**, Washington, DC, (30 May)

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- 2007 **The Science Museum of the “la Caixa” Foundation**, Barcelona, Spain (8 May)
- 2007 **Dresdner Freundeskreis Athiopien e.V.**, Dresden, Germany (21 April)
- 2007 School of Human Evolution and Social Change, **Arizona State University**, Tempe (5 April)
- 2007 Residence of the Ambassador, **US Embassy**, Addis Ababa, Ethiopia (5 February)
- 2007 **Goethe Institute and the German Embassy**, Addis Ababa, Ethiopia (24 January)
- 2007 Institute of Ethiopian Studies, **Addis Ababa University**, Ethiopia (9 January)
- 2003 Geology Department, **Addis Ababa University**
- 2001 Geology Department, **University of Arizona**
- 1999 Biology Department, **Addis Ababa University**

ORGANIZED SYMPOSIA

- 2017 Organizer, **East African Association for Paleoanthropology and Paleontology**, 6th Biennial Conference, Addis Ababa, Ethiopia (30 July – 2 August)
- 2013 Organizer, **East African Association for Paleoanthropology and Paleontology**, 4th Biennial Conference, Mombasa, Kenya (28 July – 1 August)
- 2011 Lead Organizer, **East African Association for Paleoanthropology and Paleontology**, 3rd Biennial Conference, Addis Ababa, Ethiopia (8 – 12 August)
- 2009 **Z. Alemseged** (panel speaker), “Africa: Past and Present”. Third Annual Explorers Symposium, **National Geographic**, Washington, DC (11 June)
- 2009 **Z. Alemseged** (Speaker), “Growth and development in the early hominin fossil record”. Evolution: **California Academy of Sciences and UCSF**, San Francisco, CA, USA (17 April)
- 2009 Organizer, **East African Association for Paleoanthropology and Paleontology**, 2nd Biennial Conference, Arusha, Tanzania (6 – 12 August)
- 2007 Organizer, **East African Association for Paleoanthropology and Paleontology**, 1st Biennial Conference, Nairobi, Kenya (18 – 20 June)
- 2003 R. Bobe, **Z. Alemseged** and K. Behrensmeyer (Chairs and Organizers), Hominid Environments and Paleoecology in the East African Pliocene: An Assessment of the Faunal Evidence, Tempe, AZ, USA

WORKSHOPS

- 2014 **Alemseged, Z.** Is *Homo habilis* the result of a shift to a new adaptive zone? 50 Years of *Homo habilis*, 11th Annual **Stony Brook University/Turkana Basin Institute Human Evolution Workshop**, TBI-Turkwel, Kenya
- 2013 **Alemseged, Z.** and Y. Haile-Selassie (Co-organizers), The Paleobiology, Taxonomy, and Paleoecology of Early *Australopithecus*: A Collaborative Approach to Synthesizing the Evidence, Cleveland, OH
- 2011 **Alemseged, Z.** Research Workshop on Selam, **National Museum of Ethiopia**, Addis Ababa
- 2004 Behrensmeyer, A.K., Bobe, R., **Alemseged, Z.** Workshop on Faunal Evidence for Hominin Paleoecology in East Africa, National Museum of Natural History, **Smithsonian Institution**, Washington DC

ZERESENAY “ZERAY” ALEMSEGED

OTHER PUBLICATIONS

2020 “When Colorblind Parenting Meets Anti-racism.” Sapiens Anthropology Magazine (25 Sep 2020). <https://www.sapiens.org/biology/colorblind-parenting/> (accessed 07/18/2021)

2018 My encounter with President Obama: Of Race and Racism: Discourse: January – March Issue, Vol. 1

PUBLIC EDUCATION AND OUTREACH

2019 **PaleoLab Program**

Teaching middle and high school students about paleoanthropology.2007