

# Prof. Zeresenay “Zeray” Alemseged

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## 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, AZ, 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

## Educational Background

- 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

## Honors and Awards

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

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## Previous Academic Affiliations

- 2011            Lectured, Advanced Human Evolution, Department of Earth Sciences  
**Addis Ababa University**
- 2007            Lectured, 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:**        Founding Member and Co-Chair, **African Rift Valley Research Consortium**  
Co-Founder and President, **East African Association of Paleontology and  
Paleoanthropology (EAAPP)**  
Advisory Council, **Wenner-Gren Foundation**  
Referee for **National Science Foundation, L.S.B. Leakey Foundation,  
Annales d’Ethiopie, Nature**

### **Previous:**

- 2016-*present*    Scientific Advisory Council Member, **Wenner-Gren Foundation**
- 2012- 2016        Panel Reviewer, **Wenner-Gren Foundation**
- 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

- African Rift Valley Research Consortium  
(Co-Founder and Co-Chair)
- East African Association for Paleontology and Paleoanthropology  
(Vice President and Co-Founder)
- Paleoanthropology Society
- American Association of Physical Anthropologists
- American Association for the Advancement of Science

Research Grants

- 2015 “Collaborative research: integrative investigation of the evolution and biomechanics of mandibular form in hominds.” **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**

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## 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 paleoanthropological site of Dikika and the Pleistocene archaeological and paleontological site of Asbole
- Previous:**
- 1996 – 1997 Co-Director, **Chorora Paleontological Mission**, Ethiopia
  - 1994, 1999 Member, **The Site of Hadar Project**, Afar, Ethiopia  
A multidisciplinary project led by D.C. Johanson and W.H. Kimbel
  - 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

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

### Advising and Committee Membership

#### **Postgraduate:**

2017	Postdoctoral Supervisor, <b>Andrew Du</b> , University of Chicago
2017	Postdoctoral Supervisor, <b>Amanda Smith</b> , University of Chicago
2014 – 2016	Postdoctoral Supervisor, <b>Thierra Nalley</b> , The California Academy of Sciences
2005-2007	Postdoctoral Supervisor, <b>Agazi Negash</b> , Max Planck Institute of Evolutionary Anthropology

#### **Graduate:**

2013 – <i>current</i>	M.Sc. Supervisor, <b>Woldeyared Hailu</b> , Addis Ababa University
2010 – <i>current</i>	Ph. D. Co-Advisor, <b>Peter Stamos</b> , UC Davis
2010 – 2012	M.Sc. Thesis Supervisor, <b>Enquye Wondimu</b> , Addis Ababa University
2007 – 2009	M.Sc. Thesis Supervisor, <b>Chalachew Mesfin</b> , Addis Ababa University
2005 – 2009	Ph.D. Committee Member and Examiner, <b>Soizic Le Fur</b> , Université de Poitiers, France
2006 – 2010	Ph.D. Committee Member, <b>Zelalem K. Bedaso</b> , University of South Florida
2017-2018	M.Sc Thesis Co-Advisor, <b>Eleanor Milman</b> , University of Illinois at Chicago (UIC)

#### **Undergraduate:**

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

### Publications

2018	Thompson, J.C., Carvalho, S., Marean, C.W., <b>Alemseged, Z.</b> Origins of the human predatory pattern: The transition to large animal exploitation by early hominins. <i>Current Anthropology</i> . In press.
2018	DeSilva, J.M., Gill, C.M., Prang, T.C., Bredella, M.A., <b>Alemseged, Z.</b> A nearly complete foot from Dikika, Ethiopia and its implications for the ontogeny and function of <i>Australopithecus afarensis</i> . <b>Sci Adv.</b> <i>4(7)</i> , eaar7723.

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- 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 bovids from the Shungura Formation of South Omo, Ethiopia. **J. Hum. Evol. 88:127-136**
- 2015 Skinner, M.M., **Alemseged, Z.**, Gauntz, 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.

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- 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.
- 2008 Mbua, E., **Alemseged, Z.**, Bobe, R. A new association for East African paleoanthropology and paleontology. **Evol. Anthropol.** **17:123-124**.
- 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.
- 2007 Behrensmeyer, A.K., **Alemseged, Z.**, Bobe, R. Finale and future: investigating faunal evidence for hominin paleoecology in East Africa. 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. 333-345.
- 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 formations Plio-Pleistocènes du bassin de l’Omo-Turkana. In: De Lumley, H., Beyene, Y. (Eds.), Les Sites Préhistoriques de la Région de Fejej, Sud-Omo, Éthiopie, dans leur Contexte Stratigraphique et Paléontologique. Éditions Recherche sur les Civilisations, Paris, pp. 81-107.
- 2004 Echassoux, A., Moulle, P.E., Desclaux, E., **Alemseged, Z.** Les faunes Plio-Pleistocène du site de Fejej FJ-1. In: De Lumley, H., Beyene, Y. (Eds.), Les Sites Préhistoriques de la Région de Fejej, Sud-Omo, Éthiopie, dans leur Contexte Stratigraphique et Paléontologique. 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**.
- 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**.
- 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**.

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- 1999 **Alemseged, Z.** La basse valle de l’Omo (Ethiopie). In: Berillon, G., Bacon, A.M., Marchal, F., Deloison, Y. (Eds.), *Les Australopithecus*. 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

- 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. **87<sup>th</sup> 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. **87<sup>th</sup> 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.**, Deleuzene, 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. **87<sup>th</sup> 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. **87<sup>th</sup> 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. **26<sup>th</sup> 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. **26<sup>th</sup> 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. **7<sup>th</sup> 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. **7<sup>th</sup> Annual meeting of the European Society for the Study of Human Evolution (ESHE)**, Leiden. (September)

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- 2017 **Alemseged, Z.** Did *Australopithecus* climb? **Sixth biennial conference of the East African Association for Paleoanthropology and Paleontology (EAAPP)**, (30 July-2 August)
- 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. **24<sup>th</sup> 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.” **23<sup>rd</sup> 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. **23<sup>rd</sup> Annual Meeting of the Paleoanthropology Society**, San Francisco, CA (14 April)
- 2015 Seyoum, C.W., **Alemseged, Z.** “Dikika cercopithecids and paleoenvironment.” **84<sup>th</sup> 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

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- Project geodatabase.” **80<sup>th</sup> 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.” **80<sup>th</sup> 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.” **20<sup>th</sup> Annual Meeting of the Paleoanthropology Society**, Minneapolis, Minnesota (12 April)
- 2011 Green, D.J., **Alemseged, Z.** “The primitive shoulder blade of *Australopithecus*.” **19<sup>th</sup> Annual Meeting of the Paleoanthropology Society**, Minneapolis, Minnesota (12 April)
- 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.” **12<sup>th</sup> Congress of the Pan African Archaeological Association for Prehistory and Related Studies (PAA)**, Gaborone, Botswana, (3 – 10 July)

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- 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 National 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)
- 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)

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### Invited Lectures

- 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, 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

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- 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)  
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**, 6<sup>th</sup> Biennial Conference, Addis Ababa, Ethiopia (30 July – 2 August)  
2013 Organizer, **East African Association for Paleoanthropology and Paleontology**, 4<sup>th</sup> Biennial Conference, Mombasa, Kenya (28 July – 1 August)  
2011 Lead Organizer, **East African Association for Paleoanthropology and Paleontology**, 3<sup>rd</sup> 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**, 2<sup>nd</sup> Biennial Conference, Arusha, Tanzania (6 – 12 August)  
2007 Organizer, **East African Association for Paleoanthropology and Paleontology**, 1<sup>st</sup> Biennial Conference, Nairobi, Kenya (18 – 20 June)

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- 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, 11<sup>th</sup> 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

### Other Publications

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