Sergio Almécija

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EDUCATION

PhD, *Cum Laude*. Institut Català de Paleontologia Miquel Crusafont at Universitat Autònoma de Barcelona and Universitat de Barcelona, Biological Anthropology, (October 30th, 2009).
Dissertation: Evolution of the hand in Miocene apes: implications for the appearance of the human hand.
Advisor: Salvador Moyà-Solà.

MA with Advanced Studies Certificate (DEA). Institut Català de Paleontologia Miquel Crusafont at Universitat Autònoma de Barcelona. Biological Anthropology, 2007.

BS. Universitat Autònoma de Barcelona, Biological Sciences, 2005.

PROFESSIONAL APPOINTMENTS

Assistant Professor. Center for the Advanced Study of Human Paleobiology, Department of Anthropology, The George Washington University. Present.

Research Instructor. Department of Anatomical Sciences, Stony Brook University. 2012-2015.

Fulbright Postdoctoral Fellow. Department of Vertebrate Paleontology, American Museum of Natural History and New York Consortium in Evolutionary Primatology. 2010-2012.

Research Associate. Department of Paleoprimatology and Human Paleontology, Institut Català de Paleontologia Miquel Crusafont. 2010-present.

RESEARCH INTERESTS

Evolution of humans and apes. Based on the morphology of living and fossil hominoids (and other primates), to identify key skeletal adaptations defining different stages of great ape and human evolution, as well as the original selective pressures responsible for specific evolutionary transitions.

Morphometrics. Apart from describing new great ape and hominin fossil materials, I am interested in broad comparative studies of key regions of the skeleton using state-of-the-art methods such as three-dimensional morphometrics and phylogenetically-informed comparative methods.

Paleontological fieldwork. I am the co-Director of funded excavations at different fossil ape-bearing sites of the Vallès-Penedès Basin (Catalonia, Spain). I also work with other teams in different African countries.

Communicating science to the public. I have secured over 100,000 € (approximately $139,000) to design and implement a 3D virtual fossil exhibit at the museum of the Institut Català de Paleontologia Miquel Crusafont (Sabadell, Spain).

MAJOR COLLABORATIVE RESEARCH GRANTS

pending Hominoid phylogenetic reconstruction using multiple hard-tissue 3D morphologies (NSF-SBE): **PI: Sergio Almécija**; co-PI: Santiago A. Catalano. $345,775.

Just funded The Mechanics and Evolution of Knuckle-Walking. National Science Foundation (NSF-SPRF). PI: Nathan E. Thompson; **co-PIs: Sergio Almécija**, Shannon C. McFarlin. $219,346.

Just funded Phylogenetic inference in hominoids using multiple hard-tissue 3D morphologies. Wenner-Gren

Foundation. **PI: Sergio Almécija**; co-PI: Santiago A. Catalano. $18,866.

Phylogenetic inference in apes and humans using hard-tissue 3D shape. The George Washington University Facility Fund (CCFF). **PI: Sergio Almécija**; co-PI: Santiago A. Catalano. $8,000. 2016-2017

The hominid pelvis: Testing alternative evolutionary hypotheses for the Pan-hominin LCA pelvis shape. Wenner-Gren Foundation. PI: Ashley Hammond; **co-PIs: Sergio Almécija**, Jeroen Smaers. $16,350. 2015-2016.

Reconstructing phenotypic change in the pelvis of apes and humans. L.S.B. Leakey Foundation. PI: Ashley Hammond; **co-PI: Sergio Almécija**. $8,952. 2015-2016.

Miocene apes from Castell de Barberà (Catalonia, Spain). L.S.B. Leakey Foundation. **PI: Sergio Almécija**. $17,500. 2014-2015.

The Cenozoic fossil primates of the Iberian Peninsula ("El registro fósil de primates de la Península Ibérica durante el Cenozoico: paleobiología, biocronología y contexto paleoambiental"). Spanish "Ministerio de Economía y Competitividad" (CGL2014-54373-P). coPIs: Salvador Moyà-Solà, Raef Minwer-Barakat. 192,000€ (approximately $208,837.525). 2015-2017. Participant as research associate.

Fieldwork project: The Miocene fossil primates from the Vallès-Penedès Basin ("Els primats fòssils del Miocè de la conca del Vallès-Penedès"). Departament de Cultura of the Generalitat de Catalunya #2014/100609. PI: David M. Alba; **coPIs: Sergio Almécija**, Salvador Moyà-Solà. 69,721.83€ (approximately $85,400). 2014-2017.

Consolidated Research Group PIPH (Grup de Recerca Consolidat "Grup de Paleoprimatologia i paleontologia humana"). 2014 SGR 416, GRC. AGAUR, Departament d'Innovació, Universtitats i Empresa, Generalitat de Catalunya. PI: Salvador Moyà-Solà. 43,000€ (approximately $52,685). 2014-2016. Participant as research associate.

Comparative morphological analysis of the hand and wrist in *Ardipithecus ramidus* and Miocene hominoids. National Science Foundation (NSF-BCS 1316947). PI: Caley Orr; **coPIs: Sergio Almécija**, William L. Jungers, Matthew Tocheri, Biren A. Patel. Multi-institution award total: $128,549.00. 2013-2016 (2013-09-01 2016-08-31).

Development of large-scale dense scene capture and tracking instrument. National Science Foundation (NSF-MRI CNS-1337722). PI: James Hahn; **coPIs: Sergio Almécija**, Taeyoung Lee, John Philbeck, Gabe Sibley.: $500,000**.** 2013-2016 (9-1-2013 – 8-31-2016).

Paleontological excavations at the Late Miocene hominoid-bearing site of Can Llobateres 1 (Vallès-Penedès Basin, Catalonia, Spain): season 2013. National Geographic Society 9316-13. PI: David M. Alba; **coPIs: Sergio Almécija**, Salvador Moyà-Solà, Daniel DeMiguel, Isaac Casanovas-Vilar, Josep M. Robles. $11,825. 2013.

Evolutive history of Paleogene and Neogen Iberian primates ("Historia evolutiva de los Primates del Paleógeno y Neógeno de la Península Ibérica"). 2011 CGL2011-27343. PI: Salvador Moyà-Solà. 205,700 € (approximately $270,000). 2012-2014. Participant as research associate.

Inforegió Project (2009REGIÓ 00011), "Virtual Paleontology: fossil digitization and interaction". (Paleontologia Virtual: digitalització i interacció amb fòssils). For the creation of a virtual wall for the ICP's Museum Miquel Crusafont, to 3D interact with virtual fossils, amongst others. In collaboration with the 'Modeling, Visualization, Interaction and Virtual Reality Rearch Group' (MOVING) from 'Universitat Politècnica de Catalunya' (UPC). **PI: Sergio Almécija**. 100,000 € (approximately $139,000). 2009-2010.

Consolidated Research Group PIPH (Grup de Recerca Consolidat "Grup de Paleoprimatologia i paleontologia humana"). 2009 SGR 754, GRC. AGAUR, Departament d'Innovació, Universtitats i Empresa, Generalitat de Catalunya. PI: Salvador Moyà-Solà. 45,760 € (approximately $61,000). 2009-2013.

Fossil great apes (Hominoidea) from the Mediterranean Miocene: origin, paleobiology and evolution ("Grandes simios fósiles (Hominoidea) del Mioceno del área Mediterránea: origen, paleobiología y evolución"). CGL2008-00325/BTE. Ministerio de Educación y Ciencia, Spain. PI: Salvador Moyà-Solà. 100,000 € (approximately $134,000). 2009-2011.

Searching for the Origins of Modern Hominoids Initiative (SOMHI). Comissionat per Universitats i Recerca (Generalitat de Catalunya). PI: Salvador Moyà-Solà. 200,000 € (approximately $285,000). 2005-2008. Participant as research associate.

Revealing Hominid Origins Initiative. Project RHOI-Hominid-NSF-BCS-0321893. National Science Foundation (NSF), USA. PI: Tim D. White. $76,000. 2004-2009. Participant as research associate.

FELLOWSHIPS AND AWARDS (~$210,000 total)

American Association of Physical Anthropologist (AAPA) Professional Development Grant. $5,000. 2013.

Beatriu de Pinós Postdoctoral fellowship (2009 BP-A 00226; 2 years) at the American Museum of Natural History (New York, NY). Total award: 64,258 € (approximately $87,000). 2011-2012.

Fulbright Occasional Lecturer travel grant to visit The University of West Alabama (Alabama, US). $500. 2010.

Fulbright Postdoctoral grant (2008 BFUL 00049; 1 year) to work at the American Museum of Natural History (New York, NY). Total award: $39,800. 2010.

Irene Levi-Sala CARE Archaeological Foundation Grant for a scientific stay at Tel Aviv University (Israel). $1,500. 2009.

Generalitat de Catalunya (Spain) Postgraduate Grant (2008 BE1 00370) for a scientific stay at the American Museum of Natural History (New York, USA). 3,000 € (approximately $3,800). 2008.

European Commission's Research Infrastructure SYNTHESYS Grant for a scientific stay at the National Natuurhistorisch Museum, Naturalis (Leiden, Netherlands). 2,826 € (approximately $4,000). 2007.

Generalitat de Catalunya (Spain) Formació d'Investigadors Graduate Grant (2006FI 00065) for PhD studies (4 years). 56,000 € (approximately $66,200). 2006.

Diputació de Barcelona (Barcelona, Spain) Undergraduate Grant to collaborate with Institut de Paleontologia Miquel Crusafont (Sabadell, Spain). 2000 € (approximately $2,500). 2003-2004.

SCIENCE CITATION INDEXED (* INDICATES STUDENT CO-AUTHOR)

accepted Hammond AS, **Almécija S**. Lower ilium evolution in apes and hominins. *The Anatomical Record* (invited issue on pelvic morphology, function and evolution)

in press **Almécija S**, Sherwood, CC. Hands, brains, and precision grips: Origins of tool behaviors. In (Kaas et al. eds.) *Evolution of Nervous Systems, Second Edition.* Elsevier.

39. **Almécija S** (2016). The planet of the apes strikes back [book review]. *Evolutionary Anthropology* 25: 218-220.

38. Nakatsukasa M, **Almécija S**, Begun DR. The Hand of Miocene Hominoids. In (Kivell T, Lemelin P, Richmond BG, Schmitt D, eds.) *The Evolution of the Primate Hand: Perspectives from Anatomical, Developmental, Functional, and Paleontological Evidence*. Springer. pp 485-514.

37. **Almécija S**. Pitfalls reconstructing the last common ancestor of chimpanzees and humans (2016). *Proceedings of the National Academy of Sciences, U.S.A*. 13: E943-E944.

36. Ogihara N, **Almécija S**, Nakatsukasa M, Nakano Y, Kikuchi Y, Kunimatsu Y, Makishima H, Shimizu D, Takano T, Tsujikawa H, Kagaya M, Ishida H (2016). Carpal bones of *Nacholapithecus kerioi*, a middle Miocene hominoid from northern Kenya. *American Journal of Physical Anthropology*: 160, 469-482.

35. Alba DM, **Almécija S**, DeMiguel D, Fortuny J, Pérez de los Ríos M, Pina M*, Robles JM, Moyà-Solà S (2015). Miocene small-bodied ape from Eurasia sheds light on hominoid evolution. *Science*: 350: aab2625-2621-aab2625-2611.

34. Fernández PJ*, **Almécija S**, Patel BA, Orr CM, Tocheri MW, Jungers WL (2015). Functional aspects of metatarsal head shape in humans, apes, and old world monkeys. *Journal of Human Evolution* 86: 136-146.

33. Casanovas-Vilar I, **Almécija S**, Alba DM (2015). Late Miocene flying squirrels from Can Llobateres 1 (Vallès-Penedès Basin, Catalonia): systematics and palaeobiogeography. *Palaeobiodiversity and Palaeoenvironments*: 95: 353-372.

32. Domínguez-Rodrigo M, Pickering TR, **Almécija S**, Heaton JL, Baquedano E, Mabulla A, Uribelarrea D. (2015). Earliest modern human-like hand bone from a new >1.84 million-year-old site at Olduvai in Tanzania. *Nature Communications* 6: 7987.

31. **Almécija S**, Smaers JB, Jungers WL (2015). The evolution of human and ape hand proportions. *Nature Communications* 6: 7717.

30. **Almécija S**, Wallace IJ, Judex S, Alba DM, Moyà-Solà S (2015). Comment on "Human-like hand use in *Australopithecus africanus*". *Science* 348: 1101.

29. **Almécija S**, Orr CM, Tocheri MW, Patel BA, Jungers WL (2015). Exploring phylogenetic and functional signals in complex morphologies: the hamate of extant anthropoids as a test-case study. *The Anatomical Record* 298: 212-229. (invited issue on geometric morphometrics and function)

27. **Almécija S**, Alba DM (2014). On manual proportions and pad-to-pad precision grasping in *Australopithecus afarensis. Journal of Human Evolution* 73: 88-92.

26. Susanna I*, Alba DM, **Almécija S**, Moyà-Solà S (2014). The vertebral remains of the late Miocene great ape *Hispanopithecus laietanus* from Can Llobateres 2 (Vallès-Penedès Basin, NE Iberian Peninsula). *Journal of Human Evolution* 73: 15-34.

25. Bolet A, Delfino M, Fortuny J, **Almécija S**, Robles JM, and Alba DM (2014). An amphisbaenian skull from the European Miocene and the evolution of Mediterranean worm lizards. *PLoS ONE* 9: e98082.

24. Pina M*, **Almécija S**, Alba DM, O'Neill MC, Moyà-Solà S (2014). Great Ape-like knee biomechanics in the middle Miocene hominid *Pierolapithecus catalaunicus*: Morphometric evidence from its patella. *PLoS ONE* 9: e91944.

23. **Almécija S**, Shrewsbury M, Rook L, Moyà-Solà S (2014) The Morphology of *Oreopithecus bambolii* pollical distal phalanx. *American Journal of Physical Anthropology* 153: 582-597.

22. **Almécija S**, Tallman M, Alba DM, Pina M*, Moyà-Solà S, Jungers WL (2013). The femur of *Orrorin tugenensis* exhibits morphometric affinities with both Miocene apes and later hominins. *Nature Communications* 4:2888 doi: 10.1038/ncomms3888.

21. Alba DM, Fortuny J, Pérez de los Ríos M*, Zanolli C, **Almécija S**, Casanovas-Vilar I, Robles JM, Moyà-Solà S (2013). New dental remains of *Anoiapithecus* and the first appearance datum of hominoids in the Iberian Peninsula. *Journal of Human Evolution* 65: 573-584.

20. Robles JM, Madurell-Malapeira J, Abella J, Rotgers C, Carmona R, **Almécija S**, Balaguer J, Alba DM (2013). New *Pseudaelurus* and *Styriofelis* remains (Carnivora: Felidae) from the middle Miocene of Abocador de Can Mata (Vallès-Penedès Basin). *Comptes Rendus Palevol* 12: 101-113.

19. Robles JM, Alba DM, Fortuny J, De Esteban-Trivigno S, Rotgers C, Balaguer J, Carmona R, Galindo J, **Almécija S**, Berté JV (2013). New craniodental remains of the barbourofelid *Albanosmilus jourdani* (filhol, 1883) from the Miocene of the Vallès-Penedès Vasin (NE Iberian Peninsula) and the phylogeny of the barbourofelini. *Journal of Systematic Palaeontology* 11: 992-1022.

18. Hammond AS, Alba DM, **Almécija S**, Moyà-Solà S (2013). Middle Miocene *Pierolapithecus* provides a first glimpse into early hominid pelvic morphology. *Journal of Human Evolution* 64: 658-666.

17. Tallman S, **Almécija S**, Reber SL*, Alba DM, Moyà-Solà S (2013). The distal tibia of *Hispanopithecus laietanus*: more evidence for mosaic evolution in Miocene apes. *Journal of Human Evolution* 64: 319-327.

16. **Almécija S**, Alba DM, Moyà-Solà S (2012) The thumb of Miocene apes: new insights from Castell de Barberà (Catalonia, Spain). *American Journal of Physical Anthropology* 148: 436-450.

15. Alba DM, **Almécija S**, Casanovas-Vilar I, Méndez JM, Moyà-Solà S (2012). A partial skeleton of the fossil great ape *Hispanopithecus laietanus* from Can Feu and the mosaic evolution of crown-hominoid positional behaviors. *PLoS ONE* 7: e39617.

14. Pina M*, Alba DM, **Almécija S**, Fortuny J, Moyà-Solà S (2012) Paleobiological inferences on the locomotor repertoire of extinct hominoids based on femoral neck cortical thickness: the fossil great ape *Hispanopithecus laietanus* as a test-case study. *American Journal of Physical Anthropology* 149: 142-148.

13. Alba David M, Casanovas-Vilar I, **Almécija S**, Robles JM, Arias-Martorell J*, Moyà-Solà S (2012) New dental remains of *Hispanopithecus laietanus* (Primates: Hominidae) from Can Llobateres 1 and the taxonomy of Late Miocene hominoids from the Vallès-Penedès Basin (NE Iberian Peninsula). *Journal of Human Evolution* 63: 231-246.

12. Alba DM, **Almécija S**, Moyà-Solà S (2011) A partial hominoid humerus from the middle Miocene of Castell de Barberà (Vallès-Penedès Basin, Catalonia, Spain). *American Journal of Physical Anthropology* 144: 365-381.

11. **Almécija S**, Moyà-Solà S, Alba DM (2010). Early origin for human-like precision grasping: A comparative study of pollical distal phalanges in fossil hominins. *PLoS ONE* 5: e11727.

10. Alba DM, **Almécija S**, Moyà-Solà S (2010) Locomotor inferences in *Pierolapithecus* and *Hispanopithecus*: Reply to Deane and Begun (2008). *Journal of Human Evolution* 59: 143-149.

9. Robles JM, Alba DM, Moyà-Solà S, Casanovas-Vilar I, Galindo J, Rotgers C, **Almécija S**, Carmona R (2010). New craniodental remains of *Trocharion albanense* Major, 1903 (Carnivora, Mustelidae) from the Vallès-Penedès Basin (Middle to Late Miocene, Barcelona, Spain). *Journal of Vertebrate Paleontology* 30: 547-562.

8. Alba DM, Moyà-Solà S, Malgosa A, Casanovas-Vilar I, Robles JM, **Almécija S**, Galindo J, Rotgers C, Bertó Mengual JV (2010). A new species of *Pliopithecus* Gervais, 1849 (Primates: Pliopithecidae) from the Middle Miocene (MN8) of Abocador de Can Mata (els Hostalets de Pierola, Catalonia, Spain). *American Journal of Physical Anthropology* 141: 52-75.

7. **Almécija S**, Alba DM, Moyà-Solà S (2009) *Pierolapithecus* and the functional morphology of Miocene ape hand phalanges: paleobiological and evolutionary implications. *Journal of Human Evolution* 57: 284-297.

6. Moyà-Solà S, Alba DM, **Almécija S**, Casanovas-Vilar I, Köhler M, de Esteban-Trivigno S, Robles JM, Galindo J, Fortuny J (2009). A unique middle Miocene European hominoid and the origins of the great ape and human clade. *Proceedings of the National Academy of Sciences, U.S.A*. 106: 9601-9606.

5. Moyà-Solà S, Köhler M, Alba DM, Casanovas-Vilar I, Galindo J, Robles JM, Cabrera Ll, Garcés M, **Almécija S**, Beamud E (2009) First partial face and upper dentition of the Middle Miocene hominoid *Dryopithecus fontani* from abocador de Can Mata (Vallès-Penedès Basin, Catalonia, NE Spain): Taxonomic and phylogenetic implications. *American Journal of Physical Anthropology*, 139: 126-145.

4. Casanovas-Vilar I, Alba DM, **Almécija S**, Robles JM, Galindo J, Moyà-Solà S (2008) Taxonomy and paleobiology of the genus Chalicomys Kaup, 1832 (Rodentia, Castoridae), with the description of a new species from Abocador de Can Mata (Vallès-Penedès Basin, Catalonia, Spain). *Journal of Vertebrate Paleontology* 28: 851-862.

3. Moyà-Solà S, Köhler M, Alba DM, **Almécija S** (2008) Taxonomic attribution of the Olduvai Hominid 7 manual remains and the functional interpretation of hand morphology in robust australopithecids. *Folia Primatologica* 79: 215-250.

2. **Almécija S**, Alba DM, Moyà-Solà S, Köhler M (2007) Orang-like manual adaptations in the fossil hominoid *Hispanopithecus laietanus*: first steps towards great ape suspensory behaviours. *Proceedings of the Royal Society B* 274: 2375-2384.

1. Alba DM, Moyà-Solà S, Casanovas-Vilar I, Galindo J, Robles JM, Rotgers C, Furió M, Angelone C, Köhler M, Garcés M, Cabrera L, **Almécija S**, Obradó P (2006) Los vertebrados fósiles del Abocador de Can Mata (els Hostalets de Pierola, l'Anoia, Cataluña), una sucesión de localidades del Aragoniense superior (MN 6 y

MN7+8) de la cuenca del Vallès-Penedès. Campañas 2002-2003, 2004 y 2005. *Estudios Geológicos* enero-diciembre: 295-312.

OTHER PUBLICATIONS (NON-SCIENCE CITATION INDEXED JOURNALS)

9. Pina M, Alba DM, **Almécija S**, Moyà-Solà S (2011). Is the cortical thickness of the femoral neck a diagnostic trait for inferring bipedalism? *Paleontologia i Evolució* Memòria especial núm. 5: 313-317.

8. Susanna I, Alba DM, **Almécija S**, Moyà-Solà S (2011). Vertebral remains of *Hispanopithecus laietanus* (primates: Hominidae) from the late Miocene of Can Llobateres 2 (Catalonia, NE Iberian Peninsula). *Paleontologia i Evolució* Memòria especial núm. 5: 383-386.

7. Tomàs M, Alba DM, Robles JM, Rotgers C, Carmona RI, Galindo J, **Almécija S**, Bertó JV, Casanovas-Vilar I, Balaguer J, Moyà-Solà S (2011). Small suoids from the middle Miocene of Abocador de Can Mata (Vallès-Penedès Basin, NE Iberian Peninsula): A preliminary assessment. In Viajando a mundos pretéritos (Pérez-García A, Gascó F, Gasulla JM, Escaso F eds.), pp 389-398. Morella, Ajuntament de Morella.

6. Alba DM, Moyà-Solà S, **Almécija S** (2010). L'estudi dels primats del Neogen i el Quaternari de Catalunya. ("Neogene and Quaternary primates from Catalonia"). In: Història Natural dels Països Catalans, Suppl Fauna i Flora 16: 424-427. Barcelona: Enciclopèdia Catalana.

5. Robles JM, Alba DM, Carmona R, Rotgers C, Galindo J, Balaguer J, **Almécija S**, Moyà-Solà S (2010). Nuevos hallazgos de *Sansanosmilus jourdani* (Filhol 1883) (Carnivora: Barbourofelidae) del Mioceno medio de la serie estratigráfica del Abocador de Can Mata (cuenca del Vallès-Penedès, Barcelona, España). Cidaris 30: 265-271.

4. Susanna I*, Alba DM, **Almécija S**, Moyà-Solà S (2010). Las vértebras lumbares del gran simio antropomorfo basal del Mioceno Medio *Pierolapithecus catalaunicus* (Primates: Hominidae). Cidaris 30: 311-316.

3. **Almécija S** (2010). La mano de los simios, más evolucionada que la de los humanos. ("Extant ape hand is more evolved than that of humans"). *UAB divulga* Febrero.

2. **Almécija S**, Alba DM, Moyà-Solà S (2009). OH 7, the curious case of the original handy man? *Paleolusitana* 1: 85-92.

1. Alba DM, Galindo J, Casanovas-Vilar I, Robles JM, Moyà-Solà S, Köhler M, Garcés M, Cabrera Ll, **Almécija S**, Rotgers C, Furió M, Angelone C (2007) La intervenció paleontològica a la nova fase de l'abocador controlat de Can Mata (Els Hostalets de Pierola, Anoia): campanyes 2002-2003, 2004 i 2005. *Tribuna d'Arqueologia* 2006:7-33.

EDITED VOLUMES

3. Alba DM, Moyà-Solà S, **Almécija S**, editors (in preparation) Fossil hominoid primates from the Vallès-Penedès Basin: taxonomy and paleobiology. Vertebrate Paleobiology and Paleoanthropology. Series editors: Eric Delson, Eric Sargis. Springer.

2. de Esteban-Trivigno S, Casanovas-Vilar I, Pérez CM, **Almécija S**, Marigó J, editors (2009) Paleontologia i Evolució: I Iberian Symposium on Geometric Morphometrics. Sabadell: Institut Català de Paleontologia. 124 p.

1. **Almécija S**, Casanovas I, Furió M, Madurell M, Marmi J, Vila B, editors (2007) Actas del III encuentro de jóvenes investigadores en paleontología (Proceedings of the III Meeting of Junior Paleontology Researchers). Fumanya (Barcelona): Zenobita edicions. 153 p.

PUBLISHED ABSTRACTS FROM INTERNATIONAL MEETINGS (* INDICATES STUDENT CO-AUTHOR)

36. **Almécija S**, Moyà-Solà S, Alba DM, Hammond AS, Tallman M, Jungers WL (2016). Mosaic and homoplastic evolution of the hominoid skeleton precludes 'overall' ancestral reconstructions based on single-taxon models. *American Journal of Physical Anthropology* 159 (S62): 78.

35. Powell VC*, **Almécija S**, Barr A, Wood BA (2016). Patterns of variation in the hominoid appendicular skeleton: implications for fossil hominins. American Journal of Physical Anthropology 159 (S62): 255.

34. **Almecija S**, Jungers WL (2015). Evolutionary history of ape and human hand length proportions. *American Journal of Physical Anthropology* 156 (S60): 68.

33. Fernandez PJ*, **Almécija S**, Patel BA, Orr CM, Tocheri MW, Jungers WL. (2015). Shape analysis of the distal metatarsal articular surface in cercopithecoids, apes, and humans. *American Journal of Physical Anthropology*, 156 (S60): 132-132.

32. Hammond AS, Olakkengil NP*, **Almécija S** (2015). A preliminary study of femoral and pelvic shape covariation in anthropoids. *American Journal of Physical Anthropology*, 156 (S60): 158-159.

31. Pina M*, **Almécija S**, Ruff CB, Alba DM, Moyà-Solà S (2015). The plesiomorphic condition of the great ape femur: biomechanical evidence from the IPS41724 femur (middle Miocene, NE Iberian Peninsula). *American Journal of Physical Anthropology* 156 (S60): 253.

30. Moyà-Solà S, Alba DM, **Almécija S** (2013). A proximal radius of *Barberapithecus huerzeleri* (Primates, Pliopithecidae) from the Miocene site of Castell de Barberà (NE Iberian Peninsula). *Journal of Vertebrate Paleontology* 73rd Annual Meeting Society of Vertebrate Paleontology - Los Angeles, California, USA., p. 43.

29. Bolet A, Delfino M, Fortuny J, **Almécija S**, Alba DM (2013). A partial skull of *Ophisaurus* (Squamata, Anguidae) from the Miocene of Catalonia (NE Iberian Peninsula). *Journal of Vertebrate Paleontology* 73rd Annual Meeting Society of Vertebrate Paleontology - Los Angeles, California, USA., p. 30.

28. **Almécija S**, Tallman M, Alba DM, Pina M*, Moyà-Solà S, Jungers WL (2013). Latest Miocene hominin from Kenya *Orrorin tugenensis* exhibits intermediate femoral morphology between earlier Miocene apes and later bipedal hominins. Paleoanthropology Society annual meeting program, p. 6.

27. Hammond AS, Alba DM, **Almécija S**, Moyà-Solà S (2013). Middle Miocene hominid *Pierolapithecus* provides insight into early hominid pelvic morphology. Paleoanthropology Society annual meeting program, p. 2. http://www.paleoanthro.org/static/posters2013/Hammond_2013.pdf

26. **Almécija S**, Orr CM, Tocheri MW, Patel BA, Jungers WL (2013). Morpho-functional signals in the wrist of extant hominoids derived from 3D geometric morphometrics: the hamate as a test case. *American Journal of Physical Anthropology* 150: 67.

25. Alba DM, Fortuny J, de Esteban-Trivigno S, **Almécija S** (2012). Encephalization and brain morphology in extinct, false saber-toothed cats (Barbourofelidae). *Journal of Vertebrate Paleontology* 72nd Annual Meeting Society of Vertebrate Paleontology – Raleigh, North Carolina, USA., p. 33.

24. Alba DM, Casanovas-Vilar I, **Almécija S**, Robles JM, Arias-Martorell J*, Moyà-Solà S (2012). New dental hominoid remains from the late miocene locality of Can Llobateres 1 (Vallès-Penedès basin, Catalonia, Spain). *American Journal of Physical Anthropology* 147: 81.

23. **Almécija S**, Orr CM, Tocheri MW (2012). 3D geometric morphometric analysis of the hamate in extant hominoids. *American Journal of Physical Anthropology* 147: 82.

22. Halenar LB, Cooke SB, Tallman M, **Almécija S** (2012). *Paralouatta*, the cuban enigma: Evidence from craniodental morphology. *American Journal of Physical Anthropology* 147: 159.

21. Pina M*, Alba DM, **Almécija S**, Fortuny J, Moyà-Solà S (2012). Locomotor inferences in *Hispanopithecus laietanus* on the basis of its femoral neck cortical thickness. *American Journal of Physical Anthropology* 147: 237.

20. Tallman M, Halenar LB, Cooke SB, **Almécija S** (2012). Paralouatta, the cuban enigma: Evidence from postcranial morphology. *American Journal of Physical Anthropology* 147: 282.

19. **Almécija S**, Tallman M, Alba DM, Pina M*, Moyà-Solà S (2011). Proximal femoral affinities of Miocene apes and early hominins on the basis of 3D geometric morphometrics analyses. *Journal of Vertebrate Paleontology* 71st Annual Meeting Society of Vertebrate Paleontology - Paris Las Vegas, Las Vegas, Nevada, USA. p. 61.

18. Alba DM, **Almécija S**, Moyà-Solà S, Casanovas-Vilar I, Méndez JM (2011). A new partial skeleton of the fossil

great ape *Hispanopithecus* (primates: Hominidae) from the late Miocene of Can Feu (Vallès-Penedès Basin, NE Iberian Peninsula). *Journal of Vertebrate Paleontology* 71st Annual Meeting Society of Vertebrate Paleontology - Paris Las Vegas, Las Vegas, Nevada, USA. p. 60.

17. Susanna I*, Alba DM, **Almécija S**, Moyà-Solà S (2011). Vertebral remains of the late Miocene ape *Hispanopithecus laietanus* (primates: Hominidae): Functional morphology and paleobiological implications. *Journal of Vertebrate Paleontology* 71st Annual Meeting Society of Vertebrate Paleontology - Paris Las Vegas, Las Vegas, Nevada, USA. p. 202.

16. **Almécija S**, Alba DM, Moyà-Solà S (2011). Large hominoid remains from the Middle Miocene locality of Castell de Barberà (Vallès-Penedès Basin, Catalonia, Spain) [Abstract]. Invited Poster Symposium: Hands and Hominins: a Special Session in Honor of Mary Marzke. *American Association of Physical Anthropologists*, Minneapolis, April 2011.

15. Alba DM, Casanovas-Vilar I, Moyà-Solà S, **Almécija S**, Robles JM, Marmi J (2011). New excavations at the Late Miocene hominoid-bearing locality of Can Llobateres 1 (Vallès-Penedès Basin, Catalonia, Spain): preliminary results. *American Association of Physical Anthropologists*, Minneapolis, April 2011.

14. Moyà-Solà S, Alba DM, **Almécija S** (2010). Middle Miocene fossil apes from Abocador de Can Mata: Implications for the origin and early radiation of the great apes and human clade (Primates: Hominidae). *International Primatological Society* XXIII Congress, Kyoto.

13. Casanovas-Vilar I, Garcés M, Alba DM, Cabrera L, Robles JM, Galindo J, Moyà-Solà S, Rotgers C, Carmona R, **Almécija S**, Mengual JVB, Balaguer J, Beamud E (2010). An updated chronology of the Miocene primate record of the Vallès-Pendès basin (Catalonia, Spain). *International Primatological Society* XXIII Congress, Kyoto.

12. Alba DM, **Almécija S**, Moyà-Solà S (2010). To hang of not to hang...That is the question: Implications of phalangeal curvature and relative length for inferring suspensory behaviors in fossil apes [Abstract]. *International Primatological Society* XXIII Congress, Kyoto.

11. **Almécija S**, Alba DM, Moyà-Solà S (2010). Implications of the evolution of the hominoid thumb for the origin of refined manipulation in hominins. *International Primatological Society* XXIII Congress, Kyoto.

10. **Almécija S**, Senut B, Kunimatsu Y (2010). Miocene hominoids: Understanding the evolutionary history of apes and humans. *International Primatological Society* XXIII Congress, Kyoto.

9. Susanna I*, Alba DM, **Almécija S**, Moyà-Solà S (2010). The lumbar vertebrae of the middle Miocene stem great ape *Pierolapithecus catalaunicus* (primates: Hominidae). *American Journal of Physical Anthropology* 141 S50: 227.

8. **Almécija S**, Moyà-Solà S, Alba DM (2010). *Orrorin tugenensis* suggests a common origin for human-like precision grasping and bipedalism. *American Journal of Physical Anthropology* 141 S50: 54.

7. **Almécija S**, Alba D, Moyà-Solà S (2009). *Pierolapithecus*, *Hispanopithecus* and the evolution of positional behavior in Miocene apes: Perspectives from the hand. *Journal of Vertebrate Paleontology* 29, Suppl. 3: 53A.

6. **Almécija S**, Alba DM, Moyà-Solà S (2009). OH 7, the curious case of the original handy man? Paleolusitana 1: 85-92.

5. Moyà-Solà S, Köhler M, Rook L, Alba DM, **Almécija S** (2008) Unusual pelvic adaptations in the insular ape *Oreopithecus bambolii*. In: Giornate di Paleontologia VIII. Simposio della Società Paleontologica Italiana. Workshop sui Primati Fossili Europei. Riassunti dei Lavori, pp 138-139. Accademia dei Fisiocritici, Siena 9-13 settembre 2008.

4. Casanovas-Vilar I, Garcés M, Galindo J, Cabrera L, Robles JM, Alba DM, Moyà-Solà S, Rotgers C, Carmona R, **Almécija S**, Bertó Mengual JV, Beamud E (2008) Chronology of the recently discovered Middle Miocene primate-bearing sites of the Vallès-Penedès Basin (Catalonia, Spain). In: Giornate di Paleontologia VIII. Simposio della Società Paleontologica Italiana. Workshop sui Primati Fossili Europei. Riassunti dei Lavori, pp 122-123. Accademia dei Fisiocritici, Siena 9-13 settembre 2008.

3. **Almécija S**, Alba DM, Moyà-Solà S (2008) *Pierolapithecus* and the phalangeal morphology of Miocene apes: paleobiological and evolutionary implications. In: Giornate di Paleontologia VIII. Simposio della Società Paleontologica Italiana. Workshop sui Primati Fossili Europei. Riassunti dei Lavori, pp 117-118. Accademia dei Fisiocritici, Siena 9-13 settembre 2008.

2. Alba DM, Moyà-Solà S, Malgosa A, Casanovas-Vilar I, Robles JM, **Almécija S**, Galindo J, Rotgers C, Bertó Mengual JV (2008) New pliopithecid remains (Primates: Pliopithecidae) from the Middle Miocene (MN7 and MN8) of Abocador de Can Mata (els Hostalets de Pierola, Catalonia, Spain) [Abstract]. In: Giornate di Paleontologia VIII. Simposio della Società Paleontologica Italiana. Workshop sui Primati Fossili Europei. Riassunti dei Lavori, pp 116-117. Accademia dei Fisiocritici, Siena 9-13 settembre 2008.

1. **Almécija S** (2006) Origen de los *Great apes*, una perspectiva manual. IV Encuentro de Jóvenes Investigadores en Paleontología ("Great ape origins, a manual perspective". IV Junior Researcher in Paleontology Meeting). Universidad de Salamanca (Salamanca, Spain). Special prize.

PRESENTATIONS IN OTHER MEETINGS

Bezdickova KA, **Almécija S**, Hammond AS (2015). The expected pelvic morphology of the Neandertal-human last common ancestor using a 3D morphometric approach. Stony Brook University Undergraduate Research and Creative Activities (URECA) Symposium.

OTHER SCIENTIFIC WORKS

Alba DM, Casanovas-Vilar I, **Almécija S,** Moyà-Solà S, Robles JM, (2012) Memòria sobre la intervenció paleontològica programada de control, excavació i mostratge a Can Llobateres (Sabadell, el Vallès Occidental): campanyes 2010-2011. (excavation report, late Miocene of Can Llobateres, field seasons 2010-2011)

Alba DM, **Almécija S,** Casanovas-Vilar I, Robles JM, (2011) Informe sobre la intervenció paleontològica programada de control, excavació i mostratge a Can Llobateres (Sabadell, el Vallès Occidental): campanya 2012. (excavation report, late Miocene of Can Llobateres, field season 2012)

Alba DM, Robles JM, Galindo J, **Almécija S,** Casanovas-Vilar I (2007) Memòria de la Intervenció Paleontològica a la Nova Fase del Dipòsit Controlat de Can Mata (Els Hostalets de Pierola, Anoia): Gener-Desembre 2005. (excavation report, middle Miocene of Abocador de Can Mata, field season 2005)

ORGANIZING COMMITTEE OF COURSES AND SYMPOSIA

September 7-8 2011 Cours: "Introduction to geometric morphometrics". Museum of the Institut Català de Paleontologia Miquel Crusafont.

September 12-18 2010 Symposium "Miocene hominoids: Understanding the evolutionary history of apes and humans", in International Primatological Society XXIII Congress Kyoto.

July 23-25 2009 I Iberian Symposium on Geometric Morphometrics. Institut Català de Paleontologia (Sabadell, Spain).

July 20-22 2009 Course: "Introduction to geometric morphometrics: theoretical background and basic analytical techniques".

2005 III Trobada de Joves Investigadors en Paleontologia (III Meeting of Junior Paleontology Researchers). Fumanya (Barcelona, Spain).

FIELDWORK

2014-2015 Middle/Late Miocene of Castell de Barberà (Barberà del Vallès, Spain). Co-director.

2013 Early Pleistocene of Orce, Guadix-Baza Basin (Granada, Spain).

2011-2013 Late Miocene of Can Llobateres (Sabadell, Spain). Co-director.

2009 Early Pleistocene of Incarcal. Crespià (Girona, Spain).

2004-2009 Middle Miocene of Dipòsit controlat de Can Mata. Els Hostalets de Pierola (Barcelona, Spain). Co-director during 2005.

2005-2007 Early Pleistocene of Vallparadís (Terrassa, Spain).

2004-2005 Early Pleistocene of Incarcal. Crespià (Girona, Spain).

2004 Pliocene of Almenara. Comunitat Valenciana (Spain).

2003, 2005-2006 Late Pleistocene of Pinilla del Valle. Madrid (Spain).

2002 Late Pleistocene Proyecto Arqueológico Vendimia: Los primeros pobladores de Extremadura (Vendimia Archaeological Project: The first Extremadura settlements). Malpartida (Cáceres, Spain).

2002 Miocene of Fortuna Basin (Murcia, Spain). Institut de Paleontologia Miquel Crusafont. Sabadell (Spain).

2001-2003 Early Pleistocene. Geology, Paleontology and Archaeology of the Guadix-Baza Basin. (Orce, Granada, Spain).

INVITED LECTURES AT EDUCATIONAL, RESEARCH AND COMMUNITY INSTITUTIONS

Almécija S (2015). The last common ancestor of chimpanzees and humans: A paleontological viewpoint.10/14/2015. Smithsonian Institution Paleoanthropology Seminar Series (Washington, DC, US).

Almécija S (2014). The importance of fossil apes for understanding human evolution. 12/8/2014 CASHP Seminar Series, Anthropology Department, The George Washington University (Washington, DC, US).

Almécija S (2014). Fossil apes and early hominins: some thoughts on postcranial evolution. 04/22/2014, HEB Colloquium Lecture, Department of Human Evolutionary Biology, Harvard University (Cambridge, Massachusetts, US).

Almécija S (2014). Origins of human hand proportions. 03/27/2014, Anthropology Seminar, Department of Anthropology, University of Connecticut (Storrs, Connecticut, US).

Almécija S (2012). Miocene apes and early hominins locomotor evolution: a perspective from the hand. 09/18/2012, Paleobiology Seminar, Department of Anatomical Sciences, Stony Brook University (Stony Brook, New York, US).

Almécija S (2012). Locomotor evolution in Miocene apes: a perspective from the hand. 04/17/2012, The Integrative Anatomy Program in the Department of Pathology & Anatomical Sciences, University of Missouri (Columbia, US).

Almécija S (2012). Evolution of the hand in Miocene apes: Implications for early hominin hand morphology and use. 02/17/2012, The Graduate Center, CUNY (New York, US).

Almécija S (2011). Miocene apes, early hominins and the coevolution of bipedalism and precision grasping. 10/03/2011, EvoS Seminar Series (Evolutionary Studies Program at Binghamton University, SUNY, US).

Almécija S (2010). The Catalan and Spanish people and cultures. 10/26/2010, Fulbright Occasional Lecturer Program at The Bell Conference Center, The University of West Alabama (Livingston, Alabama, US).

Almécija S (2010). The Miocene fossil apes from Spain and their role in human evolution. 10/25/2010, Fulbright Occasional Lecturer Program at Alfa Environmental Hall, The University of West Alabama (Livingston, Alabama, US).

Almécija S (2007) Orang-like manual adaptations in the fossil hominoid *Hispanopithecus laietanus*: first steps towards great ape suspensory behaviors. SYNTHESYS program lecture at Naturalis (Leiden, Netherlands).

Almécija S (2007). Evolució de la mà en el grup dels grans simis i humans. Jornada divulgativa d'Evolució Humana, Omnis Cellula (The evolution of the hand in the great apes and humans. Human evolution conference). Universitat de Barcelona (Barcelona, Spain).

TEACHING AND STUDENT MENTORING

Students already graduated

- Marta Pina (co-advisor) is a postdoctoral researcher at Catalan Institute of Paleontology Miquel Crusafont (Barcelona). Marta's dissertation was been fully-funded by the Spanish government, the European Union (via the Synthesys project) and the Leakey Foundation. She has already authored and co-authored multiple publications in international journals (e.g., *American Journal of Physical Anthropology, PLoS ONE, Nature Communications, Science*) and conference presentations.
Dissertation title: Unraveling the positional behavior of fossil hominoids: Morphofunctional and structural analyses of the primate hindlimb. June 2016, Universitat Autònoma de Barcelona

- Peter Fernandez (mentoring committee) is a research instructor at the department of Anatomical Sciences at Stony Brook University. Peter developed novel ways to quantify doming and other aspects of 3D shape in hominin metatarsals. Peter's research was funded by the Wenner-Gren Foundation and he has already published his research in the *Journal of Human Evolution* and *Scientific Reports*.
Dissertation title: Form and function of the anthropoid forefoot. May 2016, Stony Brook University

Current graduate students

- Kelly Ostrofsky (advisor) is a graduate student at the CASHP doctoral program in Human Paleobiology at GW. Kelly is interested in understanding the functional morphology of closely related hominids, and how it is affected by their eco-biogeography phylogenetic history. Kelly's research is currently funded by the National Science Foundation – Graduate Research Fellowship Program (NSF GRFP), and other smaller foundations. She has already co-authored research articles in *Science, Scientific Reports* and *Journal of Human Evolution*, as well as in several book chapters.
Project title: A behavioral and kinematic comparison of vertical climbing and suspension in wild African apes.

- Dan Wawrzyniak (advisor) is a graduate student at the CASHP doctoral program in Human Paleobiology at GW. Dan is interested in the microevolutionary studies of closely related ape species and testing hypotheses of postcranial functional morphology. He is planning to apply to the National Science Foundation – Graduate Research Fellowship Program (NSF GRFP) to support his research.

- Eve Boyle (co-advisor) is a graduate student at the CASHP doctoral program in Human Paleobiology at GW. Eve is interested in understanding the evolution of the gut in primates and its relationships with the surrounding hard tissues. Eve's research is funded by the National Science Foundation – Graduate Research Fellowship Program (NSF GRFP). She has already published her research in journals like *PaleoAnthropology* and Yearbook of Physical Anthropology.

- Alexander Prucha (co-advisor) is a graduate student at the CASHP doctoral program in Human Paleobiology at GW. Prucha is interested in elucidating the evolutionary pathways of shape change in the skulls of great apes and humans. He is planning to apply to the National Science Foundation – Graduate Research Fellowship Program (NSF GRFP) to support his research.

- Angie Peña (co-advisor) is a graduate student at the CASHP doctoral program in Human Paleobiology at GW. Angie is interested in the study of the integration between different body regions and the study of their evolution. She is planning to apply to the National Science Foundation – Graduate Research Fellowship Program (NSF GRFP) to support her research.

- Lawrence Fatica (co-advisor) is a graduate student at the CASHP doctoral program in Human Paleobiology at GW. Lawrence studies the variation between/within living closely related species of African apes and its relationship with ontogenetic shape changes. Different small foundations are funding Lawrence's research already, and he is planning to apply to NSF-DDRI and other foundations to continue supporting his research.

- Ivette Susanna (co-advisor) is a doctoral student at the Catalan Institute of Paleontology Miquel Crusafont (Barcelona). I am currently working with Ivette to develop and fund a project that seeks to understand the evolution of the vertebral column (with emphasis on the lumbar region) in Miocene apes and early hominins.

Ivette's research is partially funded by the European Union (via the Synthesys project), and she has already produced multiple abstracts in international meetings as well as her first paper published in *Journal of Human Evolution*.
Project title: Vertebral morphology in Miocene apes and early hominins: Evolutionary and functional implications.

- Cassandra Turcotte (mentoring committee) is a graduate student at the CASHP doctoral program in Human Paleobiology at GW. Cassandra is interested in understanding the relationships between soft and hard tissues in the musculoskeletal system of living primates to make inferences in fossil hominins.
Project title: Behavioral reconstruction and the bone-muscle interface: A multilevel analysis of the effects of habitual activity on entheses.

- Vance Powell (mentoring committee) is a graduate student at the CASHP doctoral program in Human Paleobiology at GW. Vance. He is interested in studying the major grade shift in body shape occurred during human evolution. Vance's research is currently funded by the National Science Foundation – Graduate Research Fellowship Program (NSF GRFP).
Project title: Patterns of covariation and covariance in the hominoid limb skeleton: Implications for hominin evolution.

I have also served as a mentor to multiple graduate students in the New York Consortium in Evolutionary Primatology (NYCEP consortium: AMNH, CUNY, NYU, Columbia, Mount Sinai**,** WCS), IDPAS/Anatomical Sciences (Stony Brook University) and Universitat Autònoma de Barcelona.

Undergraduate students mentored
- Alisha Anaya, Biological Anthropology, The George Washington University (fall 2015–fall 2016). Alisha is an undergraduate research in my lab at GW. Se is proficient at running surface 3D scanners and using imaging software. Alisha is also developing her own research project with me that seeks to understand the complexity of the arches in the human foot as compared to other hominoids.

- Susanna Israelsson, Biological Anthropology, The George Washington University (spring 2016–spring 2017). Susanna obtained the prestigious *Luther Rice Undergraduate Research Fellowship* to conduct research in my lab. She is interested in the evolution of sexual dimorphism in apes and humans.

- Elly Cordiner, Biological Anthropology, The George Washington University (fall 2016). Elly started recently working at the lab to learn novel 3D digitizing techniques and morphology. Elly has a general interest in learning more about human evolution.

I have also served as a mentor to undergraduate students in the New York Consortium in Evolutionary Primatology (NYCEP consortium: AMNH, CUNY, NYU, Columbia, Mount Sinai**,** WCS), IDPAS/Anatomical Sciences (Stony Brook University) and Universitat Autònoma de Barcelona.

Teaching experience
ANTH 3412, Hominin Evolution. The George Washington University. Undergraduate course on human evolutionary theory. Fall 2016

HOMP 6201, Hominid Paleobiology. The George Washington University. Graduate course on the ape and human fossil adaptation and evolution. Fall 2015.

Guest lecturer for the Human Evolutionary Anatomy graduate course at the Interdepartmental Program in Anthropological Sciences (IDPAS) at Stony Brook University. November 2013

Guest lecturer for the Primate Evolution graduate course at the American Museum of Natural History (AMNH), via the New York Consortium in Evolutionary Primatology (NYCEP). February 2012

'Introduction to geometric morphometrics' course. Museum of the Institut Català de Paleontologia Miquel Crusafont. Teacher of the 3D Geometric Morphometrics and visualization section. 7-8 September 2011.

Lecturer in different courses for the Anthropology, Natural Sciences and Psychology departments at the University of West Alabama (Livingston, Alabama, US). 25-28 October 2010.

Student research assistant at High School IES J.Boscà. 2008-2009.

The fossil great apes from Catalonia. Theoretical course at Institut Català de Paleontologia Miquel Crusafont (ICP) and fieldtrip to the Vallès-Pendès Basin fossil localities. In collaboration with Institució Catalana d'Història Natural (ICHN). 19-20 April 2008.

MEDIA

Press on the new small fossil ape from Spain (*Pliobates cataloniae)*:

Alba DM, **Almécija S**, DeMiguel D, Fortuny J, Pérez de los Ríos M, Pina M, Robles JM, Moyà-Solà S (2015). Miocene small-bodied ape from Eurasia sheds light on hominoid evolution. *Science*: 350:aab2625-2621-aab2625-2611.

Some examples of the major international coverage:

BBC News (live interview to Sergio Almécija)
"Newsday"
http://mms.tveyes.com/MediaCenterPlayer.aspx?u=aHR0cDovL21lZGlhY2VudGVyLnR2ZXllcy5jb20vZG93bmxvYWRnYXRld2F5LmFzcHg%2FVXNlcklEPTExOTM3NCZNREIEPTU0MjY3MzImTURTZWVkPTYyMTImVHlwZT1NZWRpYQ%3D%3D

Gizmodo
This Extinct Species is Changing What We Know About Early Ape Evolution
http://gizmodo.com/this-extinct-species-is-changing-what-we-know-about-ear-1739423377?trending_test_a&utm_expid=66866090-62.H_y_0o51QhmMY_tue7bevQ.1

Science World Report
Researchers Discover 11.6 Million-Year-Old Ape Fossils
http://www.scienceworldreport.com/articles/32202/20151030/researchers-discover-11-6-million-year-old-ape-fossils.htm

Tech Times
11.6 Million-Year-Old Primate Fossil Found In Spain: Could This Be Human Evolution's Missing Link?
http://www.techtimes.com/articles/101662/20151031/11-6-million-year-old-primate-fossil-found-in-spain-could-this-be-human-evolutions-missing-link.htm

http://www.ndtv.com/world-news/new-link-in-humans-apes-evolution-found-1238122
http://gwtoday.gwu.edu/extinct-ape-species-resets-scale-humans%E2%80%99-ancestors
http://blogs.gwhatchet.com/newsroom/2015/11/02/newly-discovered-ape-weighs-in-on-human-ancestry/

Press on the first human-like hand bone:

Domínguez-Rodrigo M, Pickering TR, **Almécija S**, Heaton JL, Baquedano E, Mabulla A, Uribelarrea D. (2015). Earliest modern human-like hand bone from a new >1.84 million-year-old site at Olduvai in Tanzania. *Nature Communications* 6: 7987.

http://www.cbsnews.com/news/earliest-human-hand-bone-unearthed-in-africa/
http://www.washingtonpost.com/news/speaking-of-science/wp/2015/08/18/scientists-find-the-oldest-ever-hand-bone-to-resemble-a-modern-humans/
https://www.newscientist.com/article/mg22730352-200-oldest-hand-hints-we-came-down-from-trees-earlier-than-thought/?utm_source=NSNS&utm_medium=SOC&utm_campaign=hoot&cmpid=SOC%257CNSNS%257C2015-GLOBAL-hoot
http://news.yahoo.com/big-human-relative-sported-modern-hands-161113073.html
https://www.sciencenews.org/article/oldest-humanlike-hand-bone-discovered
http://www.mirror.co.uk/news/world-news/worlds-oldest-finger-dating-back-6275453

Press of Almécija et al., 2015 paper on the evolutionary modeling of the human and ape hand proportions:

Almécija S, Smaers JB, Jungers WL (2015). The evolution of human and ape hand proportions. *Nature Communications* 6: 7717.

Featured in 30+ international media, e.g.:

http://www.nature.com/nature/journal/v523/n7561/full/523385b.html
http://news.sciencemag.org/evolution/2015/07/humans-have-more-primitive-hands-chimpanzees
http://www.nbcnews.com/science/weird-science/chimps-have-more-advanced-hands-humans-n391881
http://news.discovery.com/animals/endangered-species/human-hands-more-primitive-than-chimp-hands-150714.htm
http://www.usatoday.com/story/news/nation/2015/07/15/chimps-more-advanced-than-us-in-one-specific-way-hands/30181433/
http://www.the-scientist.com/?articles.view/articleNo/43520/title/Our-Primitive-Hands/
http://www.timeslive.co.za/scitech/2015/07/17/Human-hands-more-primitive-than-chimps
http://www.smithsonianmag.com/smart-news/some-ways-human-hands-are-more-primitive-chimp-hands-180955936/?no-ist
http://www.iflscience.com/plants-and-animals/human-hands-could-be-more-primitive-chimps
http://www.bbc.com/earth/story/20150818-chimps-living-in-the-stone-age

Discussion of the skull morphology of *Ardipithecus ramidus*:

Kimbel WH, Suwa G, Asfaw B, Rak Y, White TD (2014). *Ardipithecus ramidus* and the evolution of the human cranial base. *Proceedings of the National Academy of Sciences, U.S.A*. 111: 948-953.

http://www.natureworldnews.com/articles/5564/20140108/new-look-at-4-4-million-year-old-ardi-skull-reveals-close-ties-to-humans.htm

Press on Almécija et al., 2013 paper on the femoral morphology of *Orrorin tugenensis* and the origins of human bipedalism:

Almécija S, Tallman M, Alba DM, Pina M, Moyà-Solà S, Jungers WL (2013). The femur of *Orrorin tugenensis* exhibits morphometric affinities with both Miocene apes and later hominins. *Nature Communications* 4: 2888.

http://blogs.scientificamerican.com/observations/2014/01/01/the-most-fascinating-human-evolution-discoveries-of-2013/
http://sb.cc.stonybrook.edu/news/general/131204earlytreedwelling.php
http://www.natureasia.com/en/research/highlight/8947
http://www.sciencedaily.com/releases/2013/12/131204181252.htm
http://www.skynews.com.au/eco/article.aspx?id=930659
http://phys.org/news/2013-12-human-ancestor-less-chimp-like-thought.html
http://www.futurity.org/femur-puts-bipedal-millenium-man-trees/
http://www.the-scientist.com/?articles.view/articleNo/38554/title/Bipedal-Beginnings/

Scientific public outreach for Spanish language community via *Ideomica* podcast series:
http://naukas.com/2014/01/25/el-robo-de-los-fosiles-de-orrorrin-crowdfunding-de-ciencia-el-mural-de-catalhoyuk-y-mas/

Press on Almécija et al., 2010 paper on the thumb morphology of early hominins:

Almécija S, Moyà-Solà S, Alba DM (2010). Early origin for human-like precision grasping: A comparative study of pollical distal phalanges in fossil hominins. PLoS ONE 5: e11727.

http://news.discovery.com/history/archaeology/ancient-hominids-thumbs.htm
https://www.sciencenews.org/article/ancient-hominids-thumbs-precision-grip?mode=magazine&context=187439
http://www.thefreelibrary.com/Ancient+hominids+developed+humanlike+grip+much+before+toolmaking...-a0224373138

Press on Almécija et al., 2007 paper on hand morphology of the fossil great ape *Hispanopithecus laietanus* and its implications for hominid hand evolution:

Almécija S, Alba DM, Moyà-Solà S, Köhler M (2007). Orang-like manual adaptations in the fossil hominoid *Hispanopithecus laietanus*: First steps towards great ape suspensory behaviours. Proceedings of the Royal Society B 274: 2375-2384.

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OTHER

Service
Journal referee for:

American Journal of Physical Anthropology, *Anatomical Record, Biological Reviews*, *Evolutionary Anthropology*, *Journal of Human Evolution*, *Journal of the Royal Society Interface, Nature Scientific Reports, PeerJ, PLoS ONE.*

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