

## CURRICULUM VITAE

### **Silvia Pineda-Munoz**

Spatial Ecology and Paleontology Lab (SEPL)

School of Earth and Atmospheric Sciences

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### **EDUCATION**

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**2011 – 2015 Ph.D Biological Sciences**

Department of Biological Sciences, Macquarie University, Sydney, Australia

**2011 M.A. Paleontology**

Universitat Autònoma de Barcelona, Cerdanyola del Vallès, Spain

**2010 B.A. Biology**

Universitat de Barcelona, Barcelona, Spain

### **PROFESSIONAL APPOINTMENTS**

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**2018 – Present Postdoctoral Fellow**

Spatial Ecology and Paleontology Lab (SEPL), Georgia Institute of Technology, Atlanta, Georgia

**2016 – 2018 Postdoctoral Fellow**

Evolution of Terrestrial Ecosystems Program (ETE), Smithsonian National Museum of Natural History, Washington, DC

**2014 – 2015 Peter Buck Predoctoral Fellow**

Smithsonian National Museum of Natural History, Smithsonian National Museum of Natural History, Washington, DC

### **PUBLICATIONS [total =17]**

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#### **Referred Journal Articles**

**Pineda-Munoz, S.**, Y. Wang, S.K. Lyons, A.B. Tóth, and J. McGuire. Humans have shaped the climatic distributions of modern North American mammals. *In review, PNAS*.

**Pineda-Munoz, S.**, A. M. Jukar, K. Amatangelo, M. A. Balk, W.A. Barr, A. K. Behrensmeyer, J. Blois, M. Davis, A. Du, J. T. Eronen, D. Fraser, N. J. Gotelli, C. Looy, J. Miller, L. C. Soul, A. B. Tóth, A. Villaseñor, S. Wing, & S. K. Lyons. Body mass-related changes in

- mammal community assembly patterns during the late Quaternary of North America. *In review, Ecography.*
- Pérez-Torres J., J.F. González-Maya, C. Cruz, S. Solari, G. Pantoja, **S. Pineda-Munoz**, C.A. Bello & H.E. Ramírez-Chaves. Mammals of Cundinamarca-Colombia: The history and present of mammals from the heart of Colombia. *In review, Biota Colombiana.*
- Christison B.E., F. Gaidies, **S. Pineda-Munoz**, A. R. Evans & D. Fraser. Creodonts and carnivorans of the late Eocene (Chadronian) Cypress Hills Formation occupied different dietary niches. *In review, Journal of Mammalogy.*
- Gallagher, R. V., D. S. Falster, B. S. Maitner, R. Salguero-Gómez, V. Vandvik, W. D. Pearse, F. D. Schneider, J. Kattge, J. Alroy, M. J. Ankenbrand, S. C. Andrew, M. Balk, L. M. Bland, B. L. Boyle, C. H. Bravo-Avila, I. Brennan, A. J. R. Carthey, R. Catullo, B. R. Cavazos, S. Chown, B. Fadrique, X. Feng, H. Gibb, A. H. Halbritter, J. Hammock, J. A. Hogan, H. Holewa, M. Hope, C. M. Iversen, M. Jochum, M. Kearney, A. Keller, P. Mabee, J. S. Madin, P. Manning, L. McCormack, S. T. Michaletz, D. S. Park, C. Penone, T. M. Perez, **S. Pineda-Munoz**, J. Poelen, C. A. Ray, M. Rossetto, H. Sauquet, B. Sparrow, M. J. Spasojevic, R. J. Telford, J. A. Tobias, C. Violle, R. Walls, K. C., B. Weiss, M. Westoby, I. J. Wright & B. J. Enquist. The Open Traits Network: Using Open Science principles to accelerate trait-based science across the Tree of Life. *Accepted, Nature Communications.*
- Tóth, A.B., S.K. Lyons, A.M. Jukar, W.A. Barr, A. Du, A.K. Behrensmeyer, A. Villaseñor, D. Fraser, J.H. Miller, L.C. Soul, N.J. Gotelli, **S. Pineda-Munoz**, J.L. Blois, R. Bobe, M. Davis, J.T. Eronen, J.T. Faith, G.R. Graves, and J. Alroy. Reorganization of surviving mammal communities after the end-Pleistocene megafaunal extinction. *Science*, 326(5956), 1100-1103.
- Lazagabaster, I., Brophy, J., Sanisidro, O., **Pineda-Munoz, S.**, and Berger, L. 2018. A new cranium of *Metridiochoerus* (Suidae, Mammalia) from Malapa, South Africa. *Journal of African Earth Sciences*, 145 (2018): 49-52.
- Pineda-Munoz, S.**, I.A. Lazagabaster, J. Alroy and A.R. Evans. 2016. Inferring diet from dental morphology in terrestrial mammals. *Methods in Ecology and Evolution*, 8(4), 481-491.
- Lyons, S. K., Miller, J. H., Amatangelo, K. L., Behrensmeyer, A. K., Bercovici, A., Blois, J. L., Davis, M., DiMichele, W. A., Du, A., Eronen, J. T., Faith, J. T., Graves, G. R., Jud, N., Labandeira, C., Looy, C. V., McGill, B., Patterson, D., **Pineda-Munoz, S.** Potts, R., Riddle, B., Terry, R., Tóth, A., Ulrich, W., Villaseñor, A., Wing, S., Anderson, H., Anderson, J., and Gotelli, N. J. 2016. Reply to How foreign is the past. *Nature*, 538(7626): E3-E4.
- Lyons, S. K., J. H. Miller, A. Tóth, K. L. Amatangelo, A. K. Behrensmeyer, A. Bercovici, J. L. Blois, M. Davis, W. A. DiMichelle, A. Du, J. T. Eronen, J. T. Faith, G. R. Graves, N. Jud, C. Labandeira, C. V. Looy, B. McGill, D. Patterson, **S. Pineda-Munoz**, R. Potts, B. Riddle, R. Terry, W. Ulrich, A. Villaseñor, S. Wing, H. Anderson, J. Anderson, and N. J. Gotelli. 2016. Lyons et al. reply. *Nature*, 537(7618): E5-E6.
- Davis, M., and **S. Pineda-Munoz**. 2016. The temporal scale of diet and dietary proxies. *Ecology and Evolution*, 6(6), 1883-1897

- Pineda-Munoz, S.**, A. Evans, and J. Alroy. 2016. The relationship between diet and body mass in terrestrial mammals. *Paleobiology*, 42(4), 659-669.
- Lyons, S., K. L. Amantangelo, A. K. Behrensmeyer, A. Bercovici, J. L. Blois, M. Davis, W. A. DiMichele, A. Du, J. T. Eronen, J. Tyler Faith, G. R. Graves, N. Jud, C. Labandeira, C. V. Looy, B. McGill, J. H. Miller, D. Patterson, **S. Pineda-Munoz**, R. Potts, B. Riddle, R. Terry, A. Tóth, W. Ulrich, A. Villaseñor, S. Wing, H. Anderson, J. Anderson, D. Waller, and N. J. Gotelli. 2016. Holocene shifts in the assembly of plant and animal communities implicate human impacts. *Nature*, 529(7584):80-83.
- Pineda-Munoz, S.**, and J. Alroy. 2014. Dietary characterization of terrestrial mammals. *Proceedings of the Royal Society B: Biological Sciences*, 281(1789), 20141173.
- Pineda-Munoz, S.**, I. Casanovas-Vilar, D. DeMiguel, A. Karme, A. R. Evans, and M. Fortelius. 2010. Evolution of hypsodonty in a cricetid (Rodentia) lineage: preliminary results using Patch Analysis. *Cidaris*, 30:247-251.

### Book chapters

- Evans, A.R., and **Pineda-Munoz, S.** 2018. Inferring mammal dietary ecology from dental morphology. To be published in D.A. Croft, S.W. Simpson, and D.F. Su (eds.), *Methods in Paleocology: Reconstructing Cenozoic Terrestrial Environments and Ecological Communities*. Springer (Vertebrate Paleobiology and Paleoanthropology Series), Dordrecht.
- Pineda-Munoz, S.**, I. Casanovas-Vilar, D. M. Alba, R. Carmona, and E. Rifà. 2011. Biostratigraphy of locality S5C of Autovia Orbital B-40, stretch Olesa de Montserrat - Viladecavalls (Vallès-Penedès Basin, NE Iberian Peninsula). 289-296. In F. G. A. Pérez-García, J.M. Gasulla, F. Escaso (eds.), ed. *Viajando a Mundos Pretéritos*. Ajuntament de Morella, Morella, Castelló.

### CONFERENCE ABSTRACTS [total=24; \* indicates presenter]

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- Pineda-Munoz, S\***. Anikó Tóth, S. Kathleen Lyons, Yue Wang, Jenny McGuire. Human land use has shaped realized environmental niche in North American mammals. Annual meeting Ecological Society of America (2019), Louisville, KY (Oral presentation).
- Pineda-Munoz, S.** Anikó Tóth, S. Kathleen Lyons, Yue Wang, Jenny McGuire\*. Human landscape impacts have shaped North American mammal niches. 11<sup>th</sup> North American Paleontological Convention (2019), Riverside, CA (Oral presentation).
- Pineda-Munoz, S\***. Anikó Tóth, S. Kathleen Lyons, Yue Wang, Jenny McGuire. Humans have shaped habitat preference in modern North American mammals. Evolution of Complex Life 2019, Atlanta, GA (Oral presentation).
- Pineda-Munoz, S\***. Anikó Tóth, S. Kathleen Lyons, Yue Wang, Jenny McGuire. Changes in North American mammal niche preferences from the late Pleistocene to the present. 9th Biennial Conference of the International Biogeography Society, Malaga, Spain (Oral presentation).

- Anikó Tóth, S. Kathleen Lyons, Advait Jukar, Andrew Du, W Barr, Amelia Villaseñor, Anna Behrensmeyer, Danielle Fraser, Joshua Miller, Laura Soul, Nicholas Gotelli, **Silvia Pineda-Munoz**, Jessica Blois, Matthew Davis, Jussi Eronen, John Faith, Gary Graves, John Alroy. End-Pleistocene mass extinction caused a fundamental shift in survivor mammal community structure. 9th Biennial Conference of the International Biogeography Society, Malaga, Spain (Oral presentation).
- Pineda-Munoz, S\***. S. Kate Lyons, Anikó Tóth and Anna K. Behrensmeyer. Lessons in designing databases for examining paleocommunities through geological time. 78th Annual Meeting Society of Vertebrate Paleontology, Albuquerque, New Mexico (Oral presentation).
- Christison, B.E. \*, F. Gaidies, **S. Pineda-Munoz**, and A.R. Evans, D. Fraser. Comparison of creodont and carnivoran dental morphology from the Calf Creek Local Fauna (late Eocene) of southwestern Saskatchewan. 78th Annual Meeting Society of Vertebrate Paleontology, Albuquerque, New Mexico (Oral presentation).
- Pineda-Munoz, S\***. Getting the most out of ecomorphospaces: A straightforward method for morphospace evaluation. Postdoctoral Symposium 2018, Georgia Institute of Technology, Atlanta, Georgia (Oral presentation).
- Pineda-Munoz, S\***. New method for paleoecological reconstruction and ecomorphospace analysis: Sampling the spatial distribution of data across morphospaces. 77th Annual Meeting Society of Vertebrate Paleontology, Calgary, Canada (Oral presentation).
- Pineda-Munoz, S.**, A.M. Jukar\*, ETE working group and S.K. Lyons. Human impact on North American Mammal faunas. ESA 2017, Portland, Oregon (Oral presentation).
- Pineda-Munoz, S\***. Human impact on North American Mammal faunas from the Pleistocene. Geobiology Symposium XXV, NMNH Smithsonian Institution, Washington, DC (Oral presentation).
- Pineda-Munoz, S.\***, A.M. Jukar, ETE working group and S.K. Lyons. Human impact on North American Mammal faunas. 76th Annual Meeting Society of Vertebrate Paleontology, Salt Lake City, Utah (Oral presentation).
- Toth, A\*, L. Soul, J.T. Eronen, S.K. Lyons, S.K. Behrensmeyer and **S. Pineda-Munoz**. Stability of empirical mammal co-occurrence networks over paleontological timescales. 76th Annual Meeting Society of Vertebrate Paleontology, Salt Lake City, Utah (Oral presentation).
- Pineda-Munoz, S.\***, J. Alroy and A. Evans. 2016. Dental morphology, diet and the dynamics of morphological evolution across marsupials and placentals. International Congress of Vertebrate Morphology (ICVM), Washington, DC (Oral presentation).
- Pineda-Munoz, S.\***, J. Alroy, I. Lazagabaster and A. Evans. 2016. Dental morphology predicts diet across marsupials and placentals. Evolution 2016, Austin, TX (Oral presentation).
- Pineda-Munoz, S.\***. 2015. Multy-Proxy Dental Morphology Analysis: A new approach for inferring diet. 75th Annual Meeting Society of Vertebrate Paleontology, Dallas, Texas: Romer Session (Oral presentation).
- Pineda-Munoz, S.\***, A. Evans, and J. Alroy. 2014. The relationship between diet and body mass in terrestrial mammals. 74th Annual Meeting Society of Vertebrate Paleontology, Berlin, Germany (Poster presentation).

- Davis, M.\*, **S. Pineda-Munoz**. 2014. The temporal scale of diet and dietary proxies. 74th Annual Meeting Society of Vertebrate Paleontology, Berlin, Germany (Oral presentation).
- Davis, M.\*, **S. Pineda-Munoz**. 2014. The temporal scale of diet and dietary proxies. 4th International Paleontologica Congress, Mendoza, Argentina (Poster presentation).
- Pineda-Munoz, S.\***, J. Alroy, and A. Evans. 2013. Which tooth best represents whole tooth row dental complexity in Mammals? 73rd Annual Meeting Society of Vertebrate Paleontology, Los Angeles, California (Oral presentation).
- Pineda-Munoz, S.\***, J. Alroy, and A. Evans. 2013. Which tooth best represents whole tooth row dental complexity in Mammals? 14th Conference on Australasian Vertebrate Evolution, Palaeontology and Systematics (CAVEPS), Flinders University, Adelaide, South Australia (Oral presentation).
- Pineda-Munoz, S.\***, I. Casanovas-Vilar\*, D. DeMiguel, A. Karne, A. R. Evans, and M. Fortelius. 2011. Evolution of hypsodonty on a cricetid (Rodentia) lineage: preliminary results using patch analysis. 71st Annual Meeting Society of Vertebrate Paleontology, Las Vegas, Nevada (Poster presentation).
- Pineda-Munoz, S.\***, I. Casanovas-Vilar, D. M. Alba, R. Carmona, and E. Rifà. 2011. Biostratigraphy of locality S5C of Autovia Orbital B-40, stretch Olesa de Montserrat - Viladecavalls (Vallès-Penedès Basin, NE Iberian Peninsula). IX Encuentro de Jóvenes Investigadores en Paleontología, Morella, Catelló, Spain (Oral presentation).
- Pineda-Munoz, S.\***, I. Casanovas-Vilar, D. DeMiguel, A. Karne, A. R. Evans, and M. Fortelius. 2010. Evolution of hypsodonty on a cricetid (Rodentia) lineage: preliminary results using patch analysis. IX Encuentro de Jóvenes Investigadores en Paleontología, Enciso, La Rioja, Spain (Oral presentation).

**INVITED TALKS** [total=11]

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- 2018** Conference talk: Body mass related changes in mammal community assembly patterns during the late Quaternary of North America. Emerging Themes, Helen, Georgia.
- 2018** Seminar talk: Learning from the past: diet, ecology, and dental morphology in terrestrial mammals. Georgia Institute of Technology, Atlanta, Georgia.
- 2018** Seminar talk: Impactos humanos en ambientes terrestres. Department of Archeology, Universidad del Externado, Bogotá, Colombia.
- 2018** Seminar talk: La relación entre morfología y función en mamíferos terretres. Department of Archeology, Universidad del Externado, Bogotá, Colombia.
- 2018** Seminar talk: Aprendiendo del pasao: Dieta, morfología y ecología en mamíferos terrestres. Department of Biology, Universidad Javeriana, Bogotá, Colombia.
- 2017** Conference talk: Diet and dental morphology traits as proxies for paleoecology and macroevolution. Traits past, present, and future. Quantitative approaches to paleontology, conservation, and climate change biology in Africa. Integrative Climate Change Biology. National Museums of Kenya, Nairobi.
- 2015** Seminar talk: Decoding the relationship between Dental Morphology and Diet in Mammals. Paleobiology Seminar Series, National Museum of Natural

- History Smithsonian Institution, Washington, DC.
- 2014** Lecture: Evolution of Teeth and Jaw in Gnathostomata. Lecture for BIOL369 Vertebrate Evolution, Macquarie University, Sydney.
- 2013** Lecture: Evolution of Teeth and Jaw in Gnathostomata. Lecture for BIOL369 Vertebrate Evolution, Macquarie University, Sydney.
- 2011** Guided museum visit: The collections at the Museum of the Institut Català de Paleontologia Miquel Crusafont. I International Symposium on Paleohistology, Sabadell, Spain.
- 2010** Seminar talk: My Erasmus experience at University of Helsinki. Informative session in the International mobility program of the Faculty of Biology. Universitat de Barcelona, Barcelona, Spain.

## GRANTS AND FELLOWSHIPS

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- 2019** Travel grant for the Annual meeting Ecological Society of America (2019), Louisville, KY (\$500)
- 2016 - 2019** Evolution of Terrestrial Ecosystems (ETE) Postdoctoral Fellowship. Smithsonian National Museum of Natural History (NMNH), Washington, DC (US\$144,000 + US\$6000 travel allowance)
- 2015** 2016 Postdoctoral Endeavour Research Fellowship. Australia Research Council, Australia (AU\$18,000)
- 2015** Jackson School of Geosciences Student Member Travel Grant. Meeting of the Society of Vertebrate Paleontology (US\$600)
- 2014** Peter Buck Predoctoral Research Fellowship. Smithsonian National Museum of Natural History (NMNH), Washington D.C. (US\$23,300)
- 2014** Macquarie University Postgraduate Research Fund (PGRF) Conference Paper/Poster & Travel Application. Macquarie University, Sydney, Australia. (AU\$2,500)
- 2013** Paleobiology Database Intensive Workshop in Analytical Methods. Macquarie University, Sydney, Australia (Tuition fees, transportation and accommodation)
- 2011 - 2015** International Macquarie University Research Excellence Scholarship (iMQRES). PhD Candidate in Biological Sciences, Macquarie University (AU\$98,000)
- 2010** AGAUR (Agència de Gestió d'Ajuts Universitaris i de Recerca): Tuition fees and transportation. Master in Paleontology, Universitat Autònoma de Barcelona (1,192€)
- 2009** Erasmus program-Universitat de Barcelona and University of Helsinki (1,300€)
- 2009** Universitat de Barcelona: Vice-Chancellor's Erasmus Grant (200€)
- 2009** Erasmus grant, AGAUR (Agència de Gestió d'Ajuts Universitaris i de Recerca) (1,000€)
- 2006 - 2009** AGAUR (Agència de Gestió d'Ajuts Universitaris i de Recerca): Tuition fees and transportation. Biology degree, Universitat de Barcelona (Total: 9,140€ + Tuition fees)



## AWARDS AND HONORS

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- 2017** Science Achievement Award, Smithsonian Institution, for article Lyons, S.K., et al., 2016. Holocene shifts in the assembly of plant and animal communities implicate human impacts. *Nature*, 529: 80-82.
- 2010** Best International Exchange Student (European Erasmus Project) of the Faculty of Biology (Universitat de Barcelona) for academic year 2009-2010.

## TEACHING EXPERIENCE

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- 2018 - 2019** Undergraduate students mentoring at Spatial Ecology and Paleontology Lab (SEPL). Georgia Institute of Technology, Atlanta, GA
- 2018** Lecture and laboratory practical class for the Master in Archeology; Universidad del Externado, Bogotá, Colombia, 2018
- 2017** Practical class: Mammal dental morphology; National Museums of Kenya and University of Nairobi, Nairobi, Kenya.
- 2013 - 2015** Teaching assistant: BIOL262 Evolution; Macquarie University, Sydney
- 2013 - 2015** Teaching assistant: BIOL369 Vertebrate evolution; Macquarie University, Sydney
- 2013 - 2015** Lecture: BIOL369 Vertebrate Evolution: "Evolution of teeth and jaw in Gnathostomata"; Macquarie University, Sydney
- 2013** Teaching assistant: GEOS204 Life, the Universe and Everything; Macquarie University, Sydney
- 2012** Teaching assistant: BIOL261 Palaeobiology; Macquarie University, Sydney

## STUDENTS

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- Jadyne Sethna, Georgia Institute of Technology, Atlanta, GA
- Kathryn McCarthy, Georgia Institute of Technology, Atlanta, GA

## PROFESSIONAL SKILLS

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<b>R programming</b>	Statistics; Graphing; GIS and Spatial Analysis; Trends and cycles in global climate; Modeling Population Dynamics
<b>Database</b>	R; PostgreSQL; Access. Update and maintenance of the Evolution of Terrestrial Ecosystems (ETE) Program database.
<b>Website programming</b>	Html; Dreamweaver. Update and maintenance of the Evolution of Terrestrial Ecosystems (ETE) Program website ( <a href="https://naturalhistory.si.edu/ete/index.html">https://naturalhistory.si.edu/ete/index.html</a> ).
<b>Analytical methods in</b>	Geometric morphometrics; Dental morphology analysis;

<b>ecology and paleontology</b>	Community paleoecology; Diversity estimation; Speciation and extinction; Phylogenetics; Phenotypic evolution; Bayesian methods for socio-environmental studies
<b>X-ray and micro-CT imaging hardware</b>	Nikon Metrology (X-Tek) and HMXST225 MicroCT (Center for Nanoscale Systems (CNS), Harvard University, Cambridge, MA); Micro-CT scanner Skyscan 1174 Compact Micro-CT Bruker micro-CT (Monash University, Melbourne, Australia)
<b>Laser surface scanning hardware</b>	Laser Design DS 2025 (Monash University, Melbourne, Australia); Nextec Hawk (Helsinki, Finland)
<b>Imaging software</b>	Surfer for Windows (GIS); Avizo; Geomagic Studio; Cortona; Illustrator; Photoshop
<b>Fieldwork techniques</b>	Prospection; Paleontology fieldwork; on-site sediment screen washing; macrofaunal extraction and identification
<b>Curatorial techniques</b>	Casting and molding; fossil preparation; preparation of collections; stereomicroscope fossil preparation
<b>Languages</b>	English: Proficient Catalan: Native Spanish: Native

## LEADERSHIP AND SERVICE

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<b>2019</b>	Reviewer for Deevey Award (Ecological Society of America Paleocology section) for the Annual meeting Ecological Society of America (2019), Louisville, KY
<b>2018</b>	Reviewer for the PURA (Undergraduate Research Funding) Salary Award. Georgia Institute of Technology, Atlanta, Georgia.
<b>2018</b>	Coordination of “Fossil Wednesdays”, Department of Earth and Atmospheric Sciences, Georgia Institute of Technology, Atlanta, Georgia.
<b>2017</b>	Event co-organization: 30 <sup>th</sup> Anniversary celebration of the Evolution of Terrestrial Ecosystems Program at National Museum of Natural History Smithsonian Institution. Washington, D.C.
<b>2016-2018</b>	Organization of the biannual meeting of the Evolution of Terrestrial ecosystems (ETE) program at NMNH Smithsonian Institution, Washington, DC.
<b>2012-2014</b>	Graduate Student representative for the HDR committee. Macquarie University, Sydney, Australia.
<b>2014</b>	Workshop organizer and instructor: The benefits of collaboration in academia; Macquarie University, Sydney.
<b>2010</b>	Co-coordination of the workshop "Els dinosaures i el seu entorn" (Dinosaurs and their environment) inside the “Els Juliols” initiative of the Universitat de Barcelona, Barcelona, Spain.



## PUBLIC OUTREACH

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- 2018 - 2019** Organization of weekly Fossil Wednesdays sessions, Georgia Institute of Technology, Atlanta, GA
- 2018** Interviewed for the short film/documentary “Life itself”. Campus Movie Fest, Georgia Institute of Technology, Atlanta, Georgia.
- 2018** Featured as Women in STEM for Women’s Month at National Museum of Natural History Smithsonian Institution, Washington, DC.
- 2018** Interviewed by the Town Hall Magazine in Malgrat de mar, Barcelona, Spain.
- 2018** Radio interview, Javeriana Estereo, Universidad Javeriana, Colombia, Bogotá.
- 2018** Paleontology outreach table for the play “Digging up Dessa”. John F. Kennedy Center for the Performing Arts, Washington, DC.
- 2017** Chews the Right Food: Explore the relationship between teeth and diet. The Expert is in at Q?rius National Museum of Natural History Smithsonian Institution. Washington, DC.
- 2017** Survivors - What Fossils Tell Us about the Past and Future. 30<sup>th</sup> Anniversary celebration of the Evolution of Terrestrial Ecosystems Program at National Museum of Natural History Smithsonian Institution. Washington, D.C.
- 2016** Teeth and diet. Fossil Day at National Museum of Natural History Smithsonian Institution. Washington, DC.
- 2016** What the heck was this for? Weird structures in the fossil record. Nerd Nite DC, Washington, DC.
- 2016** Editorial: Following your dreams. Galimaties: Annual journal of the Ramón Turró i Darder highschool. Malgrat de mar, Barcelona, Spain.
- 2010** The collections at the Museum of the Institut Català de Paleontologia Miquel Crusafont. Sabadell, Spain.

## MEDIA COVERAGE

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### Opinion on peer’s research:

**Los Angeles Times:** <https://lat.ms/2Z3dEW9>

**The Atlantic:** <https://bit.ly/2ZSRLd5>

**From:** Pineda-Munoz, S., I.A. Lazagabaster, J. Alroy and A.R. Evans. 2016. Inferring diet from dental morphology in terrestrial mammals. *Methods in Ecology and Evolution*, 8(4), 481-491.

**The Washington Post:** Interview with Sarah Kaplan. <https://goo.gl/U5GTIu>

**The Scientist:** <https://goo.gl/1PdvR9>

**Foreign Affairs:** <https://goo.gl/3SEbja>

**Phys.org:** <https://goo.gl/g5G3nI>

**EurekaAlert!:** <https://goo.gl/MdXQrU>

**Smithsonian Newsdesk:** <https://goo.gl/URDIkd>

**ScienceDaily:** <https://goo.gl/3tXNda>

**From:** Davis, M., and S. Pineda-Munoz. 2016. The temporal scale of diet and dietary proxies. *Ecology and Evolution*, 6(6), 1883-1897

**Yale News:** <https://goo.gl/zvWjvs>

**From:** Pineda-Munoz, S., and J. Alroy. 2014. Dietary characterization of terrestrial mammals. *Proceedings of the Royal Society B: Biological Sciences*, 281(1789), 20141173.

**Technology.org:** <https://goo.gl/DnhiBo>

**Macquarie Newsroom:** <https://goo.gl/aMDiHB>

## WORKSHOPS

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- 2019** Bayesian Methods for Socio-Environmental Studies Short Course. SESYNC, Annapolis, Maryland
- 2019** Geospatial Data Analysis Short Course. SESYNC, Annapolis, Maryland
- 2018** OpenTraits, New Orleans, Louisiana.
- 2014 - 2019** ETE Workshop, biannual meetings, Evolution of terrestrial ecosystems (ETE) Program Meeting, Smithsonian National Museum of Natural History (NMNH), Washington, D.C.
- 2015** Morphological evolution in deep time, Society of Vertebrate Paleontology, Dallas, Texas, 2015.
- 2013** Paleobiology Database Intensive Workshop in Analytical Methods Macquarie University, Sydney, Australia, 2013.

**Jenny McGuire**

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School of Earth & Atmospheric Sciences  
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**John Alroy**

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**P. David Polly**

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**S. Kathleen Lyons**

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