

DIEGO POL

PERSONAL DATA

Name: Diego Pol

Birth: Rosario, Argentina. June 23rd, 1974.

Address: Museo Paleontológico Egidio Feruglio, Av. Fontana 140, Trelew CP 9100,
Chubut, Argentina

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EDUCATION

2005 Ph.D., Dept of Earth and Environmental Sciences, Columbia University, New York.

2004 M.Phil., Dept of Earth and Environmental Sciences, Columbia University, New York.

2001 M.A., Dept of Earth and Environmental Sciences, Columbia University, New York.

1994-1999 College Degree: Licenciado in Biological Sciences, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina. GPA: 8.65 (out of 10)

Theses: Ph.D dissertation: "Phylogenetic relationships of basal sauropodomorph dinosaurs", 705 pp.

Insitution: Columbia University

Grade: Straight Pass/Straight Pass

Licenciatura thesis: "El esqueleto postcraneano de *Notosuchus terrestris* y su informacion filogenética", 185 pp.

Insitution: Universidad de Buenos Aires

Grade: 10 (out of 10)

VERTEBRATE PALEONTOLOGY WORK EXPERIENCE

2015- Principal Researcher
CONICET – Museo Paleontológico Egidio Feruglio
Trelew, Chubut, Argentina
Research on phylogenetic relationships of fossil archosaurs

2011- Independent Researcher

CONICET – Museo Paleontológico Egidio Feruglio
Trelew, Chubut, Argentina
Research on phylogenetic relationships of fossil archosaurs

- 2006-2010 Adjunct Researcher
CONICET – Museo Paleontológico Egidio Feruglio
Trelew, Chubut, Argentina
Research on phylogenetic relationships of fossil archosaurs
- 2005 Postdoctoral Fellowship
Mathematical Biosciences Institute
Ohio State University, Columbus, Ohio.
Research on efficiency of phylogenetic methods using parallel computing architecture
- Advisor: Dr. D. Janies (Ohio State University)
 - Co-advisor: Dr. Pablo Goloboff (Insituto Miguel Lillo)
- 1999-2004 Division of Paleontology
American Museum of Natural History, New York
Research on basal sauropodomorph phylogenetics, crocodyliform phylogenetic relationships, performance of phylogenetic methods, and measures of congruence between the fossil record and phylogenetic relationships
- Advisor: Dr. M. A. Norell
- 1998 Vertebrate Paleontogy Laboratory, Geology Department
Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina
Undergraduate thesis for the Licenciatura in Biological Sciences
- Subject: Phylogenetic informativeness of postcranial remains of Mesoeucrocodylians
 - Advisor: Dr. A. M. Baez
- 1998 Laboratory of Compartive Anatomy and Evolution Vertabrates
Museo Argentino de Ciencias Naturales “B. Rivadavia”, Buenos Aires, Argentina
Research on coelurosaurian phylogenetics
- Advisor: Dr. F. E. Novas
- 1995-1997 Vertebrate Paleontology Department
Museo Argentino de Ciencias Naturales “B. Rivadavia” , Buenos Aires, Argentina
Volunteer technician work
Including mechanical preparation of fossil vertebrates, preparation of molds and casts for the museum exhibition, field assistant, and assistant in collection organizing

Research on Mesozoic Crocodyliforms of the Cretaceous of Patagonia

- Advisor: Dr. J. F. Bonaparte

- 1992-1995 Vertebrate Paleontology Department
Museo Argentino de Ciencias Naturales "B. Rivadavia", Buenos Aires,
Argentina
Volunteer technician work
- Including mechanical preparation of fossil vertebrates, preparation of molds and casts for the museum exhibition, field assistant, and assistant in collection organizing.
 - 10 hours per week
 - Advisor: Dr. G. W. Rougier

PUBLICATIONS

Published Papers

1. LEARDI, J. M., **POL, D.**, & CLARK, J.M. 2017. Detailed anatomy of the braincase of *Macelognathus vagans* Marsh, 1884 (Archosauria, Crocodylomorpha) using high resolution tomography and new insights on basal crocodylomorph phylogeny. **Peer J** 5:e2801; DOI 10.7717/peerj.2801
2. FIORELLI, L.E., LEARDI, J.M., HECHENLEITNER, E.M., **POL, D.**, BASILICI, G. & GRELLET-TINNER, G. 2016. A new Late Cretaceous crocodyliform from the western margin of Gondwana (La Rioja Province, Argentina). **Cretaceous Research** 60: 194-209.
3. CODORNIU, L., PAULINA CARABAJAL, A., **POL, D.**, UNWIN, D., & RAUHUT, O.W.M. 2016. A Jurassic pterosaur from Patagonia and the origin of the pterodactyloid neurocranium. **PeerJ** 4: e2311.
4. BECERRA, M., **POL, D.**, RAUHUT, O.W.M., & CERDA, I. 2016. New heterodontosaurid remains from the Cañadón Asfalto Formation: cursoriality and the

functional importance of the pes in small heterodontosaurids. **Journal of Paleontology** 90: 555-577.

5. OTERO, A., APALDETTI, C., & **POL, D.** 2016. Basal Sauropodomorpha of Gondwana. *Contribuciones del Museo Argentino de Ciencias Naturales* 6: 119-128.
6. WILSON, J.A., **POL, D.**, CARVALHO, A.B., & ZAHER, H. 2016. The skull of the titanosaur *Tapuiasaurus macedoi* (Dinosauria: Sauropoda), a basal titanosaur from the Lower Cretaceous of Brazil. **Zoological Journal of the Linnean Society**. 178: 611-662. doi: 10.1111/zoj.12420
7. REGUERO, M.A., OLIVERO, E.B., & **POL, D.** 2016. Gondwanan Perspectives: Cretaceous–Paleogene Biota of West Antarctica. *Ameghiniana* 53: 241–244.
8. **POL, D.** & LEARDI J.M. 2015. Diversity patterns of Notosuchia (Crocodyliformes, Mesoeucrocodylia) during the Cretaceous of Gondwana. **Publicación Electrónica de la Asociación Paleontológica Argentina** 15: 172-186.
9. LEARDI, J.M., **POL, D.**, NOVAS, F.E., & SUAREZ-RIGLOS, M. 2015. The postcranial anatomy of *Yacarerani boliviensis* and the phylogenetic significance of the notosuchian postcranial skeleton. **Journal of Vertebrate Paleontology** 35: e995187.
10. CARBALLIDO, J.L., **POL, D.**, PARRA RUGE, M.L., PADILLA BERNAL, S., PARAMO-FONSECA, M.E., & ETAYO-SERNA, F. 2015. A new Early Cretaceous brachiosaurid (Dinosauria, Neosauropoda) from northwestern Gondwana (Villa de Leiva, Colombia). **Journal of Vertebrate Paleontology** 35: e980505.

11. RAUHUT, O.W.M., **POL, D.** & CARBALLIDO, J.L. 2015. A diplodocid sauropod dinosaur from the Late Jurassic Cañadón Calcáreo Formation of Chubut, Argentina. **Journal of Vertebrate Paleontology** 35: e982798.
12. OTERO, A., KRUPANDAN, E., **POL, D.**, CHINSAMY, A. & CHONIERE, J. 2015. A New Basal Sauropodomorph from South Africa and the phylogenetic relationships of basal sauropodomorphs. **Zoological Journal of the Linnean Society** 174: 589-634.
13. GASPARINI, Z., STERLI, J. PARRAS, A., O'GORMAN, J.P., SALGADO, L., VARELA, J. & **POL, D.** 2015. Late Cretaceous reptilian biota of the La Colonia Formation, central Patagonia: Occurrences, preservation and paleoenvironments. **Cretaceous Research** 54: 154-168.
14. CANALE, J., NOVAS, F.E., & **POL, D.** 2015. Osteology and phylogenetic relationships of *Tyrannotitan chubutensis* Novas, de Valais, Vickers-Rich and Rich 2005 (Theropoda: Carcharodontosauridae) from the Lower Cretaceous of Patagonia, Argentina. **Historical Biology** 27: 1-32.
15. HOLWERDA, F., **POL, D.**, & RAUHUT, O.W.M. 2015. Using dental enamel wrinkling to define sauropod tooth morphotypes from the Cañadón Asfalto Formation, Patagonia, Argentina. **PLoS One** 10(2): e0118100.
16. VON BACZKO, B., DESOJO, J.B., & **POL, D.** 2014. Anatomy and phylogenetic position of *Venaticosuchus rusconii* Bonaparte, 1970 (Archosauria, Pseudosuchia) from the Ischigualasto Formation (Late Triassic), La Rioja, Argentina. **Journal of Vertebrate Paleontology** 34: 1342-1356.
17. BECERRA, M.G., **POL, D.**, MARSICANO, C.A., & RAUHUT, O.W.M. 2014. The dentition of *Manidens condorensis* (Ornithischia; Heterodontosauridae) from the Jurassic Cañadón Asfalto Formation of Patagonia: morphology, heterodonty, and

- the use of statistical methods for identifying isolated teeth. **Historical Biology** 26: 480-492.
18. APALDETTI, C.A., MARTINEZ, R., **POL, D.**, & SOUTIER, T. 2014. Redescription of the skull of *Coloradisaurus brevis* (Dinosauria, Sauropodomorpha) from the Late Triassic Los Colorados Formation of the Ischigualasto-Villa Union Basin, northwestern Argentina. **Journal of Vertebrate Paleontology** 34: 1113-1132.
19. CERDA, I.A., CHINSAMY-TURAN, A. & **POL, D.** 2014. Unusual endosteally formed bone tissue in a Patagonian basal sauropodomorph dinosaur. **The Anatomical Record** 297: 1385-1391.
20. XU, X., & **POL, D.** 2014. *Archaeopteryx*, paravian phylogenetic analyses, and the use of probability-based methods for palaeontological datasets. **Journal of Systematic Palaeontology** 12: 323-334.
21. **POL, D.**, NASCIMENTO, P.M., CARVALHO, A.B., RICCOMINI, C., PIRES-DOMINGUES, R.A., & ZAHER, H. 2014. A new notosuchian from the Late Cretaceous of Brazil and the phylogeny of advanced notosuchians. **PLoS One** 9: 1-66.
22. CERDA, I., **POL, D.**, & CHINSAMY-TURAN, A. 2014. Osteohistological insight into the early stages of growth in *Mussaurus patagonicus* (Dinosauria, Sauropodomorpha). **Historical Biology** 26: 110-121.
23. CUNEO, N.R., RAMEZANI, J., SCASSO, R., **POL, D.**, ESCAPA, I.H., ZAVATTIERI, A.M., & BOWRING, S.A. 2013. High-precision U-Pb geochronology and a new chronostratigraphy for the Cañadón Asfalto Basin, Chubut, Central Patagonia: Implications for terrestrial faunal and floral evolution in the Jurassic. **Gondwana Research** 24: 1267-1275.

24. **POL, D.**, RAUHUT, O.W.M., LECUONA, A., LEARDI, J.M., XU, X., & CLARK, J.M. 2013. A new fossil from the Jurassic of Patagonia reveals the early basicranial evolution and the origins of Crocodyliformes. **Biological Reviews** 88: 862-872.
25. OTERO, A., & **POL, D.** 2013. Postcranial anatomy and phylogenetic relationships of *Mussaurus patagonicus* (Dinosauria, Sauropodomorpha). **Journal of Vertebrate Paleontology** 33: 1138-1168.
26. PINHEIRO, A.E.P., FORTIER, D., **POL, D.**, CAMPOS, D.A., & BERGQVIST, L.P. 2013. A new *Eocaiman* (Alligatoridae, Crocodylia) from the Itaboraí Basin, Paleogene of Rio de Janeiro, Brazil. **Historical Biology** 25: 327-337.
27. WILF, P., CUNEO, N.R., ESCAPA, I.H., **POL, D.**, & WOODBURNE, M.O. 2013. Splendid and Seldom Isolated: the Paleobiogeography of Patagonia. **Annual Review of Earth and Planetary Sciences** 41: 561-603.
28. STERLI, J., **POL, D.**, & LAURIN, M. 2013. Incorporating phylogenetic uncertainty on phylogeny-based paleontological dating and the timing of turtle diversification. **Cladistics** 29: 233-246.
29. APALDETTI, C., **POL, D.**, & YATES, A.M. 2013. The postcranial anatomy of *Coloradisaurus brevis* (Dinosauria: Sauropodomorpha) from the Late Triassic of Argentina and its phylogenetic implications. **Palaeontology** 56: 277-301.
30. NOVAS, F.E., EZCURRA M.D., F.L. AGNOLIN, F.L., **POL, D.** & ORTIZ, R. 2012. New Patagonian theropod sheds light about the early radiation of Coelurosauria. **Revista del Museo Argentino de Ciencias Naturales, nueva serie** 14: 57-81.
31. CARBALLIDO, J.L., L. SALGADO, **POL, D.**, J. I. CANUDO & A. GARRIDO. 2012. A new basal rebbachisaurid (Sauropoda, Diplodocoidea) from the Early Cretaceous of

- the Neuquén Group; evolution and biogeography of the group. **Historical Biology** 24: 637-654.
32. PEREZ, M.E., & **POL, D.** 2012. Major Radiations in the Evolution of Caviid Rodents: Reconciling Fossils, Ghost Lineages, and Relaxed Molecular Clocks. **Plos One** 7: e48380 1-21.
33. **POL, D.** & O.W.M. RAUHUT. 2012. A Middle Jurassic abelisaurid from Patagonia and the early diversification of theropod dinosaurs. **Proceedings of the Royal Society of London B** 279: 3170-3175.
34. LEARDI, J.M., **D. POL** & M. FERNÁNDEZ. 2012. The antorbital fenestra of Metriorhynchidae (Crocodyliformes, Thalattosuchia): Testing its homology within a phylogenetic framework. **Journal of Vertebrate Paleontology** 32: 490-494.
35. **POL, D.**, J.M. LEARDI, A. LECUONA & M.J. KRAUSE. 2012. Postcranial anatomy of *Sebecus icaeorhinus* (Crocodyliformes, Sebecidae) from the Eocene of Patagonia. **Journal of Vertebrate Paleontology** 32: 328-354.
36. SOTO, M., **D. POL**, & D. PEREA. 2011. A new specimen of *Uruguaysuchus aznarezi* (Crocodyliformes: Notosuchia) from the Cretaceous of Uruguay and its phylogenetic relationships. **Zoological Journal of the Linnean Society** 163: S173-S198.
37. **POL, D.** & POWELL, J.E. 2011. A new basal mesoeucrocodylian from the Rio Loro Formation (Paleocene) of Northwestern Argentina. **Zoological Journal of the Linnean Society** 163: S7-S36.
38. APALDETTI, C., R.N. MARTINEZ, O.A. ALCOBER & **D. POL.** 2011. A new basal sauropodomorph (Dinosauria: Saurischia) from Quebrada del Barro Formation (Marayes-El Carrizal Basin), Northwestern Argentina. **PLOS One** 6: e26964 1-19.

39. TURNER, A.H., **POL, D.**, & NORELL, M.A. 2011. Anatomy of *Mahakala onmogovae* (Theropoda: Dromaeosauridae), Tögrögin Shiree, Mongolia. **American Museum Novitates** 3722: 1-66.
40. CARBALLIDO, J.L., RAUHUT, O.W., **POL, D.** & SALGADO, L. 2011. Osteology and phylogenetic relationships of *Tehuelchesaurus benitezii* (Dinosauria, Sauropoda) from the Upper Jurassic of Patagonia. **Zoological Journal of the Linnean Society** 163: 605-662.
41. **POL, D.**, RAUHUT, O.W.M., & BECERRA, M. 2011. A Middle Jurassic heterodontosaurid dinosaur from Patagonia and the evolution of heterodontosaurids. **Naturwissenschaften** 98: 369-379.
42. CARBALLIDO, J.L. , **POL, D.**, CERDA, I. & SALGADO, L. 2011. The osteology of *Chubutisaurus insignis* del Corro, 1975 (Dinosauria: Neosauropoda) from the 'middle' Cretaceous of central Patagonia, Argentina, **Journal of Vertebrate Paleontology** 31: 93-110.
43. ESCAPA, I.H. & **POL, D.** 2011. Dealing with incompleteness: New advances for the use of fossils in phylogenetic analysis. **Palaios** 26: 121-124.
44. ZAHER H., **POL D.**, CARVALHO A.B., NASCIMENTO P.M., RICCOMINI C., et al. 2011. A Complete Skull of an Early Cretaceous Sauropod and the Evolution of Advanced Titanosaurians. **PLoS ONE** 6: e16663 1-10.
45. **POL D.**, GARRIDO A., & CERDA I. 2011. A New Sauropodomorph Dinosaur from the Early Jurassic of Patagonia and the Origin and Evolution of the Sauropod-type Sacrum. **PLoS ONE** 6: e14572 1-24.

46. CARBALLIDO, J.L. & **POL, D.** 2010. The dentition of *Amygdalodon patagonicus* (Dinosauria: Sauropoda) and the dental evolution in basal sauropods. **Comptes Rendus Palevol** 9: 83-93.
47. MÜLLER, J., SCHEYER, T.M., BARRETT, P.M., WERNEBURG, I., HEAD, J.J., ERICSON, P.G.P., **POL, D.** & SANCHEZ-VILLAGRA, M.R. 2010. The evolution of vertebral numbers in recent and fossil amniotes: The roles of homeotic effects and somitogenesis. **Proceedings of the National Academy of Sciences USA** 107: 2118-2123.
48. NOVAS, F.E., PAIS, D.F., **POL, D.**, CARVALHO, I.S., SCANFERLA, A., MONES, A., SUAREZ RIGLOS, M. 2009. Bizarre Notosuchian Crocodyliform With Associated Eggs From The Upper Cretaceous Of Bolivia. **Journal of Vertebrate Paleontology** 29: 1316-1320.
49. LEARDI, J.M. Y **D. POL.** 2009. The first crocodyliform from the Chubut Group (Chubut Province, Argentina) and its phylogenetic position within basal Mesoeucrocodylia. **Cretaceous Research** 30: 1376-1386.
50. **POL, D.** & ESCAPA, I.H. 2009. Unstable Taxa in Cladistic Analysis: Identification and the Assessment of Relevant Characters. **Cladistics**. 25: 515-527.
51. **D. POL,** A.H. TURNER, & M.A. NORELL. 2009. Description of a new specimen of the Late Cretaceous crocodylomorph *Shamosuchus djadochtaensis* and a discussion of neosuchian phylogeny as related to the origin of Eusuchia. **Bulletin of the American Museum of Natural History** 324: 1-103.
52. **POL, D.** & Z. GASPARINI. 2009. Skull Anatomy of *Dakosaurus andiniensis* (Thalattosuchia: Crocodylomorpha) and the phylogentic position of Thalattosuchia. **Journal of Systematic Palaeontology** 7: 165-197.

53. NOVAS, F., **D. POL**, J.I. CANALE, J.D. PORFIRI & J.O. CALVO. 2009. A bizarre Cretaceous theropod dinosaur from Patagonia and the evolution of Gondwanan dromaeosaurids. **Proceedings of the Royal Society B** 276: 1101-1107.
54. ESCAPA, I.H., J. STERLI, **D. POL**, & L. NICOLI. 2008. Jurassic tetrapods and flora from the Cañadón Asfalto Formation in the Cerro Cóndor area, Chubut Province. **Revista de la Asociación Geológica Argentina** 63: 613-624.
55. LECUONA, A. & **POL, D.** 2008. Tooth morphology of *Notosuchus terrestris* (Notosuchia: Mesoeucrocodylia): new evidence and implications. **Comptes Rendus Palevol.** 7: 407-417.
56. JANIES, D., F. HABIB, B. ALEXANDROV, A. HILL, & **D. POL.** 2008. Evolution of genomes, host shifts, and the geographic spread of SARS-CoV and related coronaviruses. **Cladistics** 23: 1-20.
57. JANIES, D. & **D. POL.** 2008. Large-scale Phylogenetic Analysis of Emerging Infectious diseases. **Lecture Notes in Mathematics (Mathematical Biosciences Subseries)** 1922: 39-76.
58. DE LA FUENTE, M.S., L. SALGADO, A. ALBINO, A.M. BÁEZ, J.F. BONAPARTE, J.O. CALVO, L.M. CHIAPPE, L.S. CODORNIÚ, R.A. CORIA, Z. GASPARINI, B.J. GONZÁLEZ RIGA, F.E. NOVAS, & **D. POL.** 2007. Tetrápodos continentales del Cretácico de la Argentina: una síntesis actualizada. **Publicación Especial Asociación Paleontológica Argentina (Ameghiniana 50 Aniversario)** 11: 137-153.
59. SMITH, N. & **D. POL.** 2007. Anatomy of a basal sauropodomorph dinosaur from the Early Jurassic Hanson Formation of Antarctica. **Acta Paleontologica Polonica** 52: 657-674.

60. TURNER, A.H., **D. POL**, J.A. CLARKE, G.M. ERICKSON, & M.A. NORELL. 2007. A basal dromaeosaurid and size evolution preceding avian flight. **Science** 317: 1378-1381.
61. **POL, D.** & Z. GASPARINI. 2007. Crocodyliformes. In: **Patagonian Mesozoic Reptiles**. Gasparini, Z., Coria, R., & Salgado, L. (eds.). Indiana University Press. Pp: 116-142.
62. JANIES, D., P.A GOLOBOFF, & **D. POL**. 2007. Large-scale phylogenetic analysis for the study of zoonosis and assessment of influenza surveillance. **Scalable Computing: Practice and Experience** 8: 143-146.
63. SMITH, N., P.J. MAKOVICKY, **D. POL**, W.R. HAMMER, & P.J. CURRIE. 2007. The dinosaurs of the Early Jurassic Hanson Formation of the Central Transantarctic Mountains: Phylogenetic review and synthesis. In: **Antarctica: A Keystone in a Changing World** (A. K. Cooper and C. R. Raymond et al. eds.). USGS Open File Report 2007-1047. doi: 10.3133/of2007-1047.srp003. URL: <http://pubs.usgs.gov/of/2007/1047/srp/srp003/>. United States Geological Survey and the National Academies.
64. GOLOBOFF, P.A. & **D. POL**. 2007. On Divide-and-Conquer Strategies for Parsimony Analysis of Large Data Sets: Rec-I-dcm3 vs. TNT. **Systematic Biology** 56: 485-495.
65. **POL, D.** & J.E. POWELL, 2007. Skull anatomy of *Mussaurus patagonicus* (Dinosauria: Sauropodomorpha). **Historical Biology**. 19: 125-144.
66. **POL, D.** & J.E. POWELL, 2007. New information on *Lessemsaurus sauropoides* (Dinosauria: Sauropodomorpha) from the Late Triassic of Argentina. **Special Papers in Palaeontology** 77: 223-243

67. **POL, D.** & M.A. NORELL, 2006. Uncertainty in the age of fossils and the stratigraphic fit to phylogenies. **Systematic Biology** 55: 512-521
68. ZAHER, H., **D. POL**, A. Carvalho, C. Riccomini D. Campos, & W. Nava, 2006. Re-description of the cranial morphology of *Marillasuchus amarali*, and its phylogenetic affinities (Crocodyliformes, Notosuchia). **American Museum Novitates** 3512: 1-40
69. GASPARINI, Z., **D. POL**, & L. A. SPALLETTI, 2006. An unusual crocodyliform from the Jurassic-Cretaceous boundary of Patagonia. **Science** 311: 70-73.
70. **POL, D.** & S. APESTEGUIA, 2005. New *Araripesuchus* Remains from the Early Late Cretaceous (Cenomanian-Turonian) of Patagonia. **American Museum Novitates** 3490: 1-38.
71. **POL, D.** 2005. Postcranial remains of *Notosuchus terrestris* (Archosauria: Crocodyliformes) from the Upper Cretaceous of Patagonia, Argentina. **Ameghiniana** 42: 21-38.
72. GOLOBOFF P.A. & **D. POL**. 2005. Parsimony and Bayesian phylogenetics. In: **Parsimony, Phylogeny, and Genomics**. Albert, V. (ed.). Oxford University Press. Pp: 148-159.
73. NOVAS, F.E. & **D. POL**. 2005. New evidence on deinonychosaurian dinosaurs from the Late Cretaceous of Patagonia. **Nature** 433: 858-861.
74. **POL, D.** 2004. Empirical problems of the Likelihood ratio test for model selection in phylogenetics. **Systematic Biology** 56: 953-966
75. **POL, D.** & M.A. NORELL. 2004. A new gobiosuchid crocodyliform from the Cretaceous of Mongolia. **American Museum Novitates** 3458: 1-31.

76. **POL, D.**, S. JI, J.M. CLARK, & L.M. CHIAPPE. 2004. Basal crocodyliforms from Lower Cretaceous Tugulu Group (Xinjiang, China), and the phylogenetic position of *Edentosuchus*. **Cretaceous Research** 25:603-622
77. **POL, D.** & M.A. NORELL. 2004. A new crocodyliform from the Zos Canyon. **American Museum Novitates** 3445: 1-36
78. **POL, D.**, M.A. NORELL, & M.E. SIDDALL. 2004. Measures of stratigraphic fit to cladistic hypothesis and their sensitivity to tree shape, size and scaling. **Cladistics** 20: 1-12
79. **POL, D.**, 2003. New remains of *Sphagesaurus huenei* (Crocodylomorpha: Mesoeucrocodylia) from the Late Cretaceous of Brazil. **Journal of Vertebrate Paleontology** 23: 817-831
80. GRANT, T., FAIVOVICH, J., & **POL, D.** 2003. The perils of 'point-and-click' systematics. **Cladistics** 19: 276-285
81. GOLOBOFF, P.A. & **POL, D.** 2002. Semi-Strict Supertrees. **Cladistics** 18: 514-525
82. NOVAS, F.E. & **POL, D.** 2002. Alvarezsaurid relationships revisited. In : **Mesozoic Birds: Above the head of dinosaurs**. Chiappe, L.M. and Witmer, L.W. (eds.). University of California Press. Pp: 121-128.
83. **POL, D.** & M.E. SIDDALL, 2001. Biases in maximum likelihood and parsimony: a simulation approach to a ten taxon case. **Cladistics**, 17: 266-281
84. **POL, D.** & M.A. NORELL, 2001. Comments on the Manhattan Stratigraphic Measure. **Cladistics**, 17: 285-289
85. BUCKLEY, G.A., BROCHU, C.A., KRAUSE, D.W., & **D. POL.** 2000. A pug-nosed crocodyliform from the Late Cretaceous of Madagascar. **Nature** 405: 941-944

In press

1. CODORNIÚ, L. & **POL, D.** Ctenochasmatidae. En: **The Pterosauria** (Martill D., Unwin D. y Loveridge R., eds). ISBN 978-0-521-51895-6. 89 pp. Cambridge University Press.
http://www.cambridge.org/gb/knowledge/isbn/item5634817/?site_locale=en_GB.

Book reviews

1. **POL, D.** 2013. The Age of Dinosaurs in South America. *Fernando E. Novas*. Indiana University Press, Bloomington, IN. ISBN 978-0-253-35289-7. **Ameghiniana** 50: 269-270.

Abstracts presented in scientific meetings

1. POL, D., CUNEO, N.R., RAMEZANI, J., KRAUSE, M., CARBALLIDO, J.L. 2016. Calibrating The Evolutionary Tree Of Sauropodomorph Dinosaurs In The Jurassic And Cretaceous Of South America. **Geological Society of America Abstracts**, Denver, USA.
2. POL, D., HOLLEY, A. 2016. Effects Of Randomly And Non-Randomly Distributed Missing Data In Support Values Of Bayesian And Parsimony Analysis. **Geological Society of America Abstracts**, Denver, USA.

3. POL, D., HOLLEY, A. 2016. Non-Randomly Distributed Missing Data In Support Values: detection of unstable taxa that decrease support. **XXXV Hennig Meeting**, Buenos Aires, Argentina.
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94. NOVAS, F.E., **D. POL**, I.S. CARVALHO, Z. GASPARINI, D. PAIS, A. MONES, M. ISASI, & M.S. RIGLOS. 2004 – Un cocodrilo notosuquio del cretácico superior de Bolivia. [A notosuchian crocodile from the Late Cretaceous of Bolivia]. **Resúmenes XX Jornadas Argentinas de Paleontología de Vertebrados**, La Plata, Argentina, May 27-29, 2003

95. **POL, D.**, & M.A. NORELL. 2003 – A new gobiosuchid crocodyliform taxon from the Cretaceous of Mongolia. **Journal of Vertebrate Paleontology 23(suppl. 3): 88A**. 63rd Meeting of the Society of Vertebrate Paleontology, Saint Paul, Minnesota, October 15-19, 2003
96. ROUGIER, G.W., M. J. NOVACEK, E. ORTIZ-JAUREGUIZAR, **D. POL**, & P. PUERTA. 2003 – Reinterpretation of *Reigitherium bunodontum* as a Reigitheridae dryolestoid and the interrelationships of the South American Dryolestoids. **Journal of Vertebrate Paleontology 23(suppl. 3): 90A**. 63rd Meeting of the Society of Vertebrate Paleontology, Saint Paul, Minnesota, October 15-19, 2003
97. GOLOBOFF, P.A. & **D. POL**, 2003 – Cases in which Bayesian analyses will be positively misleading. **Abstracts XXII Hennig meeting**, New York, USA, July 20-25, 2003
98. **POL, D.**, 2003 – Nuevos crocodyliformes del Cretácico de Asia Central. [New Crocodyliforms from the Cretaceous of Central Asia]. **Resúmenes XIX Jornadas Argentinas de Paleontología de Vertebrados**, Buenos Aires, Argentina, May 15-19, 2003
99. **POL, D.**, & P.E. PUERTA. 2003 – Restos postcraneanos de *Sebecus icaeorhinus* (Archosauria: Crocodyliformes) de la localidad de Cañadón Hondo, Provincia del Chubut. [Postcranial remains of *Sebecus icaeorhinus* (Archosauria: Crocodyliformes) from Cañadón Hondo, Chubut Province]. **Resúmenes XIX Jornadas Argentinas de Paleontología de Vertebrados**, Buenos Aires, Argentina, May 15-19, 2003
100. **POL, D.**, 2003 – Problems of the likelihood ratio test for the selection of models in maximum likelihood. [Problemas del likelihood ratio test para la selección de modelos en maximum likelihood]. **Resúmenes IV Reunión Argentina de Cladística y Biogeografía**, Córdoba, Argentina, March 5-7, 2003

101. GOLOBOFF, P.A. & **D. POL**, 2003 – Bayesian phylogenetic análisis.[Análisis filogenéticos bayesianos]. **Resúmenes IV Reunión Argentina de Cladística y Biogeografía**, Córdoba, Argentina, March 5-7, 2003
102. HILL, R., **D. POL**, G.W. ROUGIER, MUZZOPAPPA, P. 2002 – Dinosaur remains from the Late Cretaceous La Colonia Formation. **Journal of Vertebrate Paleontology 22(suppl. 3): 60A**. 62nd Meeting of the Society of Vertebrate Paleontology, Norman, Oklahoma, October 4-9, 2002
103. **POL, D.**, & M.A. NORELL. 2002 – A new crocodyliform from the Late Cretaceous of Mongolia. . **Journal of Vertebrate Paleontology 22(suppl. 3): 65A**. 62nd Meeting of the Society of Vertebrate Paleontology, Norman, Oklahoma, October 4-9, 2002
104. JI, SHUAN., **D. POL**, J.M. CLARK, L.M. CHIAPPE. 2002 – A new specimen of *Edentosuchus* (Archosauria: Crocodyliformes) from the Early Cretaceous of China. **Journal of Vertebrate Paleontology 22(suppl. 3): 61A**. 62nd Meeting of the Society of Vertebrate Paleontology, Norman, Oklahoma, October 4-9, 2002
105. **POL, D.**, S. APESTEGUIA, F.E. NOVAS, & A.P. CARIGNANO. 2002. Evolución y paleobiogeografía de los cocodrilos del Cretácico tardío de Gondwana. [Evolution and paleobiogeography of the Late Cretaceous crocodyliforms from Gondwana]. **Resúmenes VIII Congreso Argentino de Paleontología y Bioestratigrafía**, Corrientes, Argentina. October 7-10, 2002.
106. GOLOBOFF, P.A, W. WHEELER, and **D. POL**. 2002 – Parallel searches of large datasets. **Abstracts XXI Hennig meeting**, Helsinki, Finland, August 25-31, 2002
107. ROUGIER, G.W., M. J. NOVACEK, **D. POL**, A. FORASIEPI, P. MUZZOPAPPA, J. STERLI & B. CARIGLINO. 2002 – The mammalian fauna of La Colonia Formation

(Upper Cretaceous), Chubut: affinities and diversity. [La fauna mamaliana de La Formación La Colonia (Cretácico Superior), Chubut: afinidades y diversidad].

Resúmenes XVIII Jornadas Argentinas de Paleontología de Vertebrados, Bahía Blanca, Argentina, May 10-15, 2002

108. CARIGNANO, A.P., **D. POL**, S. APESTEGUIA, & F.E. NOVAS. 2002. La diversidad de cocodrilos de “La Buitrera” (Fm. Candeleros), provincia de Río Negro. [Crocodyliform diversity of ‘La Buitrera’ (Candelero Formation), Rio Negro Province].

Resúmenes XVIII Jornadas Argentinas de Paleontología de Vertebrados, Bahía Blanca, Argentina, May 10-15, 2002

109. **POL, D.**, S. APESTEGUIA, & F.E. NOVAS, 2001 - New information on the phylogenetic relationships of *Araripesuchus* within Crocodyliformes. **Journal of Vertebrate Paleontology 21(suppl. 3): 65A**. 61st Meeting of the Society of Vertebrate Paleontology, Bozeman, Wyoming, October 2-6, 2001

110. GOLOBOFF, P.A. & **D. POL**, 2001 - Combining trees: strict supertrees. [Combinando árboles: superárboles estrictos]. **Resúmenes III Reunión Argentina de Cladística y Biogeografía**, Mendoza, Argentina, September 10-12, 2001

111. **POL, D.**, 2001 - Biases in maximum likelihood and parsimony: a simulation approach to a ten taxon case. **Abstracts XX Hennig meeting**, Corvallis, Oregon, August 25-31, 2001

112. **POL, D.**, & M.A. NORELL, 2001 - Performance of measures of stratigraphic fit to phylogenetic hypothesis. **Abstracts XX Hennig meeting**, Corvallis, Oregon, August 25-31, 2001

113. ROUGIER, G.W., M. J. NOVACEK, E. ORTIZ-JAUREGUIZAR, **D. POL**, P. PUERTA & P. MUZZOPAPPA. 2001 – Mammals of the La Colonia Formation (Upper

Cretaceous), new evidence favoring the geographic isolation of Patagonia during the Late Cretaceous – Early Tertiary. [Mamíferos de La Formación La Colonia (Cretácico Superior), nuevas evidencias en favor del aislamiento biogeográfico de Patagonia durante el Cretácico Tardío -Terciario Temprano]. **Resúmenes XVII Jornadas Argentinas de Paleontología de Vertebrados**, Esquel, Argentina, May 15-19, 2001

114. **POL, D.** & M.A. NORELL, 2000 - Problems found with the Manhattan Stratigraphic Measure and the stratigraphic fit of stratigraphy to cladistic hypothesis. **Journal of Vertebrate Paleontology 20 (suppl. 3): 65A**. 60th Meeting of the Society of Vertebrate Paleontology, Mexico City, Mexico October 25-29, 2000.

115. **POL, D.**, 1999 - Phylogenetic relationships of basal mesoeucrocodylians: new clues to old conflicts. **Journal of Vertebrate Paleontology 19 (suppl. 3): 69A**. 59th Meeting of the Society of Vertebrate Paleontology, Denver, Colorado, October 21-24, 1999.

116. NOVAS, F.E., S. APESTEGUIA, **D. POL**, S. DE VALAIS, A. FORASIEPI, H. LEANZA, J. GONZALEZ, & A. HARO, 1999 – First record of sphenodontian lepidosaurs from the Upper Cretaceous. [Primer registro de lepidosaurios esfenodontes para el Cretácico Superior]. **Resúmenes XV Jornadas Argentinas de Paleontología de Vertebrados**, La Plata, Argentina, May 17-20, 1999, p.45

117. NOVAS, F.E., S. APESTEGUIA, **D. POL**, & A. CAMBIASSO, 1999 – A probable troodontid (Theropoda – Coelurosauria) from the Late Cretaceous of Patagonia. [Un probable troodóntido (Theropoda – Coelurosauria) del Cretácico Tardío de Patagonia]. **Resúmenes XV Jornadas Argentinas de Paleontología de Vertebrados**, La Plata, Argentina, May 17-20, 1999, p.45

118. **POL, D.**, 1999 - Phylogenetic relationships of *Sphagesaurus* from the Upper Cretaceous of Brazil.[Relaciones filogenéticas de *Sphagesaurus* del Cretácico Superior

de Brasil]. **Resúmenes XV Jornadas Argentinas de Paleontología de Vertebrados**, La Plata, Argentina, May 17-20, 1999, p.45

119. **POL, D.**, 1999 – Evaluation of the quality of the fossil record according to the information offered by phylogenetic relationships. [Evaluación de la calidad del registro fósil en base a la información aportada por hipótesis filogenéticas]. **Resúmenes II Reunión Argentina de Cladística y Biogeografía**, Buenos Aires, Argentina. March 10-12, 1999, p. 20.

120. **POL, D.**, 1998 - Postcranial characters of Crocodyliformes : Source of phylogenetic information? [Caracteres postcraneanos de Crocodyliformes : Fuente de información filogenética?]. **Resúmenes VII Congreso Argentino de Paleontología y Bioestratigrafía**, Bahía Blanca, Argentina, October 4-9, 1998, p. 71

121. **POL, D.**, 1998 - Postcranial remains of *Notosuchus terrestris* (Archosauria : Crocodyliformes), characters and locomotory implications [Restos postcraneanos de *Notosuchus terrestris* (Archosauria : Crocodyliformes), características e implicancias en la locomoción]. **Resúmenes XIV Jornadas Argentinas de Paleontología de Vertebrados**, Neuquén, Argentina, May 18-21, 1998, p.45

122. **POL, D.**, 1997 - Preliminary analysis of the influence of postcranial characters in the phylogenetic relationships of *Notosuchus terrestris* [Análisis preliminar de la influencia de los caracteres postcraneanos en las relaciones filogenéticas de *Notosuchus terrestris*]. **Resúmenes I Reunión Argentina de Cladística y Biogeografía**, Tucumán, Argentina. November 18-22, 1997, p. 9.

STUDENT ADVISOR ACTIVITIES

DIRECTION OF JUNIOR RESEARCHERS (ASSISTANT LEVEL)

2015-present. Cecilia Apaldetti (Assistant Researcher Conicet). Project: Early Jurassic sauropodomorphs from northwestern Argentina. Role: co-Advisor.

2015-present. Juan Martín Leardi (Assistant Researcher Conicet). Project: Evolution of basal crocodylomorph archosaurs and the origin of Crocodyliformes. Role: Advisor.

2014-2016. Lucas E. Fiorelli (Assistant Researcher Conicet). Project: Cretaceous vertebrate faunal assemblages from northwestern Argentina: biogeographical implications. Role: Advisor.

2013-2017. José Luis Carballido (Assistant Researcher Conicet). Project: Early Jurassic sauropod dinosaurs. Role: Advisor.

2013-2017. Alejandro Otero (Assistant Researcher Conicet). Project: Evolution and functional anatomy of Sauropodomorpha along the Triassic-Jurassic transition. Role: Advisor.

2012-2017. Ignacio Cerda (Assistant Researcher Conicet). Project: Histology and life history traits of the Sauropodomorpha during the Triassic-Jurassic. Role: Advisor.

2012-2016. Carlos Agustín Scanferla. (Assistant Researcher Conicet). Project: Evolution of Caenophidia snakes from South America: New information from Cenozoic and recent material. Role: Co-Advisor.

2011-2014. Juliana Sterli (Assistant Researcher Conicet). Project: Origen y posición filogenética de Testudinata: aportes de los fósiles, la morfología y las moléculas. Role: Advisor.

2009-2014. Laura Codorniú (Assistant Researcher Conicet). Project: Relaciones filogenéticas de los Pterosaurios Archaeoptero-dactyloidea. Role: Advisor.

DIRECTION OF POSTDOCTORAL FELLOWS

- 2016-present. Evangelos Vlachos (Postdoctoral fellow Conicet). Project: Evolutionary History Of The Giant Tortoises (Testudines: Testudinidae) During The Last 50 Million Years, With Emphasis In The Testudinids Of South America. Role: Co-advisor.
- 2016-present. Marcos Becerra (Postdoctoral fellow Conicet). Project: Functional morphology and biomechanics of the skull in *Manidens condorensis* (Ornithischia, Dinosauria). Role: Advisor.
- 2013-2015. Juan Martín Leardi (Postdoctoral fellow Conicet). Project: Braincase evolution of Crocodylomorph reptiles. Role: Advisor.
- 2013-2015. Beatriz Chamero-Macho (Postdoctoral fellow Conicet). Project: Geometric morphometrics of notosuchian crocodyliforms from the Cretaceous of Gondwana. Role: Advisor.
- 2012-2014. Lucas Fiorelli (Postdoctoral fellow Conicet). Project: Eggshell remains from the Late Cretaceous Sanagasta nesting site (La Rioja, northwestern Argentina). Role: Co-Advisor.
- 2012-2015. Cecilia Apaldetti (Postdoctoral fellow Conicet). Project: Phylogenetic and biogeographic patterns of basal sauropodomorphs from the Late Triassic and Early Jurassic of Gondwana. Role: Advisor.
- 2012-2013. José Luis Carballido (Postdoctoral fellow Conicet). Project: Anatomy of *Amargasaurus cazai* (Sauropoda, Dicraeosauridae) from the Cretaceous of Patagonia and its implications in the evolution of dicraeosaurids. Role: Advisor.
- 2011-2012. Alejandro Otero (Postdoctoral fellow Conicet). Project: Functional anatomy of *Mussaurus patagonicus* (Dinosauria, Sauropodomorpha) from the Late Triassic of Patagonia. Role: Advisor.
- 2011-2012. Ignacio Cerda (Postdoctoral fellow Conicet). Project: Histology and life history traits of the basal sauropodomorph *Mussaurus patagonicus* from the Late Triassic of Patagonia. Role: Advisor.
- 2010-2012. María Encarnación Pérez (Postdoctoral fellow Conicet). Project: Evolution of crown group Caviodea sensu stricto (Rodentia, Caviomorpha). Role: Advisor.

2009-2010. Juliana Sterli (Postdoctoral fellow Conicet). Project: Origen y diversificación de los clados modernos de tortugas: aportes de los fósiles, la morfología y las moléculas. Role: Advisor.

DIRECTION OF GRADUATE STUDENTS

2017-present. Imanol Yañez (PhD fellow Conicet). Universidad Nacional del Comahue, Argentina. Project: Early Crocodylomorphs from the Ischigualasto Formation in the Late Triassic of Argentina. Role: Advisor.

2016-present. Kevin Gomez (PhD fellow Conicet). Universidad Nacional del Comahue, Argentina. Project: Diversity, Evolution, and morphological disparity of basal sauropods. Role: Co-Advisor.

2014-present. Emil Krupandan (PhD student). University of Cape Town (South Africa). Project: Histology and anatomy of basal sauropodomorph dinosaurs. Role: Co-Advisor.

2013-present. Alfredo Holley Reguiló (PhD fellow Conicet). Universidad Nacional del Comahue, Argentina. Project: Phylogeny, molecular clock, and biogeography of chelid turtles. Role: Co-Advisor.

2012-2017. Belén von Baczko (PhD fellow Conicet). Universidad de Buenos Aires, Argentina. Project: Anatomy and phylogenetic relationships of Riojasuchus tuniceps from the Late Triassic of Argentina. Role: Co-Advisor.

2011-2016. Marcos Becerra (PhD fellow Conicet). Universidad de Buenos Aires, Argentina. Project: Diversity and phylogenetic position of ornithischian dinosaurs from the Cañadón Asfalto Formation (Early-Middle Jurassic) of Patagonia. Role: Advisor.

2009-2013. Andre Pinheiro (PhD fellow CNPq – Brasil). Universidade Federal de Rio de Janeiro, Brazil. Project: Descrição E Posicionamento Filogenético Dos Crocodiliformes Paleocênicos Da Bacia De São José De Itaboraí, Estado Do Rio De Janeiro
Role: Co-Advisor

- 2009-2010. Femke Holwerda (M. Sc. student). Utrecht University, Netherlands. Project: Middle Jurassic basal sauropod teeth from Cerro Córdor, Chubut, Patagonia, Argentina.
Role: Co-Advisor
- 2008-present. Juan Martin Leardi (PhD fellow Conicet). Universidad de Buenos Aires, Argentina. Project: Evolución de la función locomotora durante la diversificación de Archosauria: patrones de cambio anatómico-funcional del miembro anterior.
Role: Advisor.
- 2007-2011. José Luis Carballido (PhD fellow Conicet). Universidad Nacional del Comahue, Argentina. Thesis: Estudio anatómico y comparativo de nuevos materiales de Neosauropoda (Titanosauriformes y Diplodocoideos), análisis filogenético del grupo y Biogeografía del Cretácico Inferior. Role: Advisor.
- 2007-2011. Agustina Lecuona (PhD fellow Conicet). Universidad de Buenos Aires, Argentina. Project: Anatomía y relaciones filogenéticas de *Gracilisuchus stipanicorum* y sus implicancias en el origen de Crocodylomorpha. Role: Advisor.
- 2007-2011. Cecilia Apaldetti (PhD fellow Conicet). Universidad Nacional de San Juan, Argentina. Project: Relaciones filogenéticas entre plateosáuridos y massospondylidos (Dinosauria, Sauropodomorpha) y roles paleoecológicos de los sauropodomorfos del sector superior de la Formación Los Colorados (Triásico superior – Noriano). Role: Co-Advisor.
- 2007-2010. María Encarnación Perez (PhD fellow Conicet). Universidad de La Plata, Argentina. Project: Sistemática, ecología y bioestratigrafía de Eocardiidae (Rodentia, Hystricognathi, Caviioidea) del Mioceno Temprano y Medio de Patagonia. Role: Co-Advisor.
- 2007-2010. Amalia Villafañe (PhD fellow Conicet). Universidad de La Plata, Argentina. Project: Sistemática, ecología y bioestratigrafía de los Proterotheriidae (Mammalia, Litopterna). Role: Co-Advisor.

PARTICIPATION IN Ph.D. COMMITTEES AND JURIES

2017. Federico Agnolin. Universidad de La Plata. Thesis: Dinosauromorphs from the Chañares Formation and their implications for the origins of Dinosauria. Role: Dissertation Jury.
2016. Matías Soto. Universidad de la República (Uruguay). Thesis: Late Jurassic vertebrates from the Tacuarembó Formation. Role: Dissertation Jury.
2015. Rodolfo Salas-Grismondi. Université de Montpellier. Thesis: Crocodyliform fauna from the Miocene of Peru. Role: Dissertation Jury.
2014. Paulo Nascimento. Universidade de São Paulo. Thesis: Revision of the family Baurusuchidae and its phylogenetic affinities within Mesoeucrocodylia. Role: Dissertation Jury.
2013. Blair McPhee. University of Witwatersrand. Thesis: The anatomy of *Antetonitrus ingenipes* (Sauropodiformes, Dinosauria): Implications for the origin of Sauropoda. Role: Masters dissertation Jury.
2012. Lucas E. Fiorelli (PhD Fellow Conicet). Universidad Nacional de Córdoba. Thesis: Dinosaur nesting site of the Parque Geológico Sanagasta, Cretaceous from La Rioja, Argentina. Role: Dissertation Jury.
2012. Yanina Herrera (PhD fellow Conicet). Universidad de La Plata. Thesis: Análisis morfológico y paleobiológico de *Cricosaurus araucanensis* (Gasparini y Dellapé 1976) (Crocodyliformes: Metriorhynchidae). Role: Dissertation Jury
2012. Beatriz Chamero Macho (PhD fellow). Universidad Autónoma de Madrid. Thesis: Patrones de Modularidad en Archosauria: el esqueleto postcraneano de cocodrilos y aves. Role: Dissertation Jury
2011. Andrea Arcucci (PhD candidate). Universidad Nacional de San Luis. Thesis: Sistemática y filogenia de los proterochampsidos (Amniota, Diapsida, Archosauriformes) del Triásico de América del Sur, y sus implicancias en el origen de Archosauria. Role: Dissertation Jury

2011. Ignacio Cerda (PhD fellow Conicet). Universidad Nacional del Comahue. Thesis: Estudio Paleohistológico de *Saltasaurus* y *Neuquensaurus* (Dinosauria, Sauropoda, Titanosauria). Role: Dissertation Jury
2011. Alejandro Otero (PhD fellow Conicet). Universidad de La Plata. Thesis: Saurópodos Saltosaurinae del Territorio Argentino: Reconstrucción de la musculatura y función del esqueleto apendicular. Role: Dissertation Jury
2010. Juan Ignacio Canale (PhD fellow Conicet). Universidad de La Plata. Thesis: Los Carcharodontosauridae (Dinosauria, Theropoda) de América del Sur: anatomía, relaciones filogenéticas y paleobiología. Role: Dissertation Jury
2009. Rodolfo García (PhD fellow Conicet). Universidad Nacional del Comahue, Argentina. Thesis: Estudio sobre embriones de dinosaurios titanosaurios de la Patagonia: aspectos filogenéticos y evolutivos implicados Role: Dissertation Jury
2009. Juliana Sterli (PhD fellow Conicet). Universidad de La Plata, Argentina. Thesis: Sistemática y paleobiogeografía de las tortugas continentales del Jurásico de Patagonia. Role: Dissertation Jury
- 2008-2011. Lucas Fiorelli (PhD fellow Conicet). Universidad Nacional de Córdoba, Argentina. Thesis: Huevos de dinosaurios del “parque geológico sanagasta” (formación sanagasta, cretácico superior), la rioja, argentina: morfología, microestructura de la cáscara y caracterización paleoecológica del área. Role: Dissertation Committee Member.
- 2008-2011. Jimena Trotteyn (PhD fellow Conicet). Universidad Nacional de Cuyo, Argentina. Thesis: Revisión Osteológica, Paleoecología y Análisis Filogenético de Proterochampsidae (Reptilia - Arcosauriformes). Role: Dissertation Committee Member.

DIRECTION OF UNDERGRADUATE THESES

- 2010-2011. Noelia Uyua. Universidad Nacional de la Patagonia San Juan Bosco, Argentina. Thesis: Anatomía y relaciones filogenéticas de *Notocetus vanbenedeni* (Cetacea, Odontoceti) del Mioceno de Patagonia. Role: Advisor.
- 2010-2011. Marcos Becerra. Universidad de Buenos Aires, Argentina. Thesis: Ornitisquios heterodontosauridos de la Formación Cañadón Asfalto, del Jurásico

Medio de Chubut, Argentina: anatomía dentaria e implicancias filogenéticas.

Role: Advisor.

2008-2009. Federico Gianechini. Universidad de Buenos Aires, Argentina. Thesis: Dientes de terópodos (Dinosauria) de la Formación Cerro Barcino, provincia de Chubut: morfología y microestructura del esmalte dentario. Role: Advisor.

2007-2008. Juan Martin Leardi. Universidad de Buenos Aires, Argentina. Thesis: Un Nuevo Crocodyliforme de la Formación Cerro Barcino (Grupo Chubut) del Cretácico de la Provincia del Chubut. Role: Advisor.

DIRECTION OF UNDERGRADUATE INTERNSHIPS

2013. Joaquín Orgueira. Universidad Nacional de la Patagonia San Juan Bosco, Argentina. Project: Sauropod dinosaurs from the Middle Jurassic of Chubut. Role: Advisor.

2009. Walter Mora. Universidad Nacional de la Patagonia San Juan Bosco, Argentina. Project: Techniques in Vertebrate Paleontology. Role: Advisor.

2008. Noelia Uyua. Universidad Nacional de la Patagonia San Juan Bosco, Argentina. Project: Curation and preservation of MEF collection of fossil Odontoceti. Role: Advisor.

PARTICIPATION IN EDITORIAL DUTIES

EDITORIAL COMMITTEES

2014-present. Editor-in-chief, Ameghiniana, Asociación Paleontológica Argentina.

2014-2016. Associate Editor, Journal of Vertebrate Paleontology.

2013-present. Associate Editor, BMC Evolutionary Biology, Biomed Central.

2013. Alternate Director, Ameghiniana, Asociación Paleontológica Argentina.

2011 Guest Editor of Zoological Journal of the Linnean Society (number 163 Supplement): "1st Symposium on the evolution of Crocodyliformes". Co-edited with Dr. Hans Larsson (McGill University). Zoological Journal of the Linnean Society 163: S1-S6.

- 2010-2012 Associate Editor, Ameghiniana, Asociación Paleontológica Argentina (Argentina).
- 2007-2010. Associate Editor, Journal of Systematic Paleontology, Cambridge Journals (United Kingdom).
- 2006 Guest Editor of Historical Biology (volume 19, number 1): "Early Dinosaur Evolution". Co-edited with Dr. Max Langer (Univ. Sao Paulo, Brazil).
Historical Biology 19: 1-2.

HONORS, AWARDS, SCHOLARSHIPS

AWARDS, HONORS

- January 2016 "Tinker Visiting Professor", Winter Quarter, The University of Chicago, USA.
- October 2014 "Houssay Award", Argentinean National Ministry of Science and Technology, to researcher in Earth Sciences.
- May 2014 Visiting Professor, Museu de Zoologia, Universidade de Sao Paulo, Sao Paulo, Brasil.
- September 2012 "German Burmeister Award", Academia Nacional de Ciencias to young researcher in Geology and Paleontology.
- June 2010 Visiting Professor, Museu de Zoologia, Universidade de Sao Paulo, Sao Paulo, Brasil.
- December 2009 "Pedro Stipanovic Award", Academia Nacional de Ciencias Exactas, Físicas y Naturales to the young researcher in Earth Sciences.
- January 2007-present Research Associate, Division of Paleontology, American Museum of Natural History, New York, USA.
- December 2006 Ameghino Award of the Argentine Paleontological Association to best publication of young scientist in 2005.

October 2006 Feruglio Award of the Egidio Feruglio Foundation to best young scientist in Paleontology of Argentina (period 2002-2006).

August 2001 "Lars Brundin Award" to student presentation at the 20th Hennig meeting, Corvallis, Oregon. Awarded by the Willi Hennig Society.

August 2001 Nomination as Founding Fellow of the Willi Hennig Society.

SCHOLARSHIPS

Sept 2004 Mathematical Biosciences Institute Postdoctoral Fellowship, Ohio State University, Columbus, OH. Fellowship starting October 2004.

August 1999 Columbia Fellowship of the Department of Earth and Environmental Sciences, Columbia University, New York.