

Education:

- Licenciado 1984. University of Uruguay, College of Sciences.
 M.A. 1986. The University of Kansas, Dept. of Ecology & Evolutionary Biology.
 Ph.D. 1991. The University of Texas at Austin, Dept. of Zoology.

Experience:

- 2013–2014 *Fulbright Distinguished Chair*. University of Sao Paulo, Sao Paulo, Brazil.
 2010–Present Research Associate, National Museum of Natural History, Uruguay.
 2009–2011 *Program Director*. National Science Foundation, Systematic & Biodiversity Science Cluster.
 2007–Present *Co-Chair IUCN-ASS for Uruguay*. International Union Conservation of Nature-Amphibian Species Specialist.
 2007 *Distinguished Visiting Professor*. National Museum of Natural History, Paris.
 2004–Present *Professor*. Department of Biology, University of Richmond.
 1995–Present *Adjunct Research Associate*. Div. of Amp. & Reptiles, Smithsonian Institution.
 1994–Present *Adjunct Research Associate*. Graduate Program, United Nations Sciences Teaching Science Development Program, Uruguay.
 1998–2004 *Associate Professor*. Department of Biology, University of Richmond.
 1998 *Distinguished Educator*. University of Richmond,
 1992–1998 *Assistant Professor*. Department of Biology, University of Richmond.
 1991–1992 *Postdoctoral Researcher*. Plum Island Animal Disease Center, New York.

Courses Taught at UR

- Introductory Biology Laboratory, non-majors (Bio 101)
- Vertebrate Comparative Anatomy with Laboratory (Bio 308)
- Vertebrate Systematic and Natural History with Laboratory (Bio 328)
- Molecular Evolution with Laboratory (Bio 325),
- Introductory Zoology Laboratory, Biology major (Bio 199)
- Evolution with Laboratory (Bio 225)
- Tropical Biology and Conservation with Laboratory: Belize (Bio 383)
- Amphibian Biology with Laboratory (Bio 513, Graduate course)
- Senior Seminar (Bio 361)
- Graduate Seminar (Bio 528)
- Tropical Biology and Conservation with Laboratory: Peru (Bio 383). 383)
- Evolutionary Biology of Lower Tetrapods with Laboratory (Bio 374)
- Organismal Biology with Laboratory (Bio 212).
- Principles of Evolution with Laboratory, non-majors (Bio 101)
- Internship (Bio 388)
- Special Topics, multiple times and focus on student needs (Bio 351)
- Introduction to Biological Thinking. The Balance of Life: Evolution and Extinction, with laboratory (Bio 199)

Service

University of Richmond Service.

- Pre-Health Professional Advisory Committee (1995-1998)
- Biology Department Seminar Coordinator (1998-1999)
- Graduate Coordinator, Biology Graduate Program (2001-2004)
- UR SafeZone Founder member (1996-2006, President 2004-2006)
- UR International Education Committee (1998-1999)
- UR Scholars Committee (1996-1999)
- UR International office. Evaluate Science University of Richmond's Science Exchange Programs (1999 Denmark programs, 2008 St. Edwards, Scotland and Lancaster, England)
- Advisor Biology Students Honor Society (1994-1999).
- Advisor CIGNA and Oliver Hill Science Scholars, University of Richmond, 2000-Present. Programs focusing on Broadening Participation of Underrepresented Groups in Science.
- Tenure and Promotion Committee, University of Richmond, 1998.
- Univ. of Richmond Faculty Research Committee, 2000-2003 (Chair 2001-2002).
- Univ. of Richmond PETE Committee, 2003-2006.
- Univ. of Richmond Faculty Council, 2005-2008.
- Univ. of Richmond Nominating Committee, 2008-2009
- Biology Department, Curriculum Committee, 2012-2013.

Service to Professional Societies and Organizations.

- Reviewer for:

Alytes	Copeia
Cuadernos de Herpetologia	Herpetologica
Journal of Herpetology	Acta Zoologica Lilloana
Amphibia-Reptilia	Journal of Morphology
National Institute of Health	Biotropica
National Science Foundation	Zoologischer Anzeiger
Zootaxa	
Journal of the Linnaean Society, London	
Journal of Neotropical Ichthyology	
South American Journal of Herpetology	
Molecular Phylogenetic and Evolution	
- Annual Meetings Symposia Coordinator, Herpetologists' League (1998-2010)
- Associate Editor, Journal of Herpetology, Soc. Study of Amphibians and Reptiles (SSAR), (2000-2003)
- Elected to Board of Directors, SSAR (2003-2006)
- Panels: National Institute of Health (multiple NIH 2002-2004)
- Panels: National Science Foundation (multiple NSF 1994-2009)
- Editorial Board of Cuadernos de Herpetología (Argentina).
- Treasurer, International Society for the Study and Conservation of Amphibians (ISSCA) (2000-2006)
- Executive Board, Int. Society for the Study and Conservation of Amphibians (ISSCA), (1999-Present)
- Judge for Soc. Study of Amphibians and Reptiles Henri Seibert Award Student Presentations, SSAR
- International Cooperation Project, SSAR

- International Organizing Committee for III–IX Latinamerican Congresses of Herpetology.
- Judge for the American Society of Ichthyology and Herpetology, Stony/Storer Student Award.
- Elected to Board of Councilors, Herpetologists' League (2000-2005)
- Associate Editor, South American Journal of Herpetology, 2006-Present.

Field Work: Argentina, Belize, Benin, Bolivia, Brazil, Costa Rica, Ecuador, Ethiopia, Honduras, Malawi, Paraguay, Peru, South Africa, Tanzania, Uruguay, United States, Vietnam, Zambia.

Awards:

- 1992 Faculty Research Grant. University of Richmond. Also received in 1993,1994, 1995, 1996, 1999.
- 1993 Faculty Travel Grant. University of Richmond. Also received in 1996
- 1993 Faculty Summer Fellowship. University of Richmond. Also received in 1995
- 1994 PETE Grant, University of Richmond.
- 1994 NSF-ILL. "Molecular Evolution: Integration of Theory and Practice" PI: R.O. de Sá.
- 1995 NSF C-RUI "Timing of musculoskeletal development: A 3-dimensional approach to the analysis of form" PI: R.O. de Sá. CoPIs: G.P.Radice, M. Kerckhove.
- 1996 Virginia Academy of Sciences. "Evolutionary relationships within the Neotropical frog genus *Leptodactylus*" PI: R.O. de Sá.
- 1998 Thomas F. Jeffress and Kate Miller Jeffress Memorial Trust "A molecular phylogeny of the frog genus *Leptodactylus*" PI: R.O. de Sá.
- 2000 NSF RUI " Evolutionary relationships within the Neotropical genus *Leptodactylus*" PI: R. O. de Sá, Co-PI: W. R. Heyer
- 2000 Jeffress Memorial Trust Research Grant "A molecular phylogeny of the frog genus *Leptodactylus*" Renewal. PI: R.O. de Sá..
- 2000 NSF "Research Experience for Undergraduates: Evolutionary relationships within the Neotropical" genus *Leptodactylus*)" Supplements: 2001, 2002, 2003, and 2004. PI: R.O. de Sá.
- 2003 NSF RUI "Diversity beyond morphology: A revision of the frog genus *Leptodactylus* (Amphibia, Anura, Leptodactylidae)" PI: R. O. de Sá, Co-PI: W. R. Heyer.
- 2004 ACS "Bringing Evolution into the curriculum for non-science majors at the University of Richmond" PI. R. O. de Sá.
- 2004 LI-Cor Genomics Education Matching Funds Program. PI: R.O. de Sá.
- 2005 NSF "Research Experience for Undergraduates: Diversity beyond morphology: A revision of the frog genus *Leptodactylus* (Amphibia, Anura, Leptodactylidae)" Supplements 2005, 2006, 2007, 2008. PI: R. O. de Sá.
- 2005 NSF-CETAF (Consortium of European Taxonomic Facilities) "Systematics and Biogeography of *Leptodactylus* species in the Caribbean". PI: R.O. de Sá
- 2005 National Science Council of Spain "Genetic and bioacoustics characterization of endemic threatened species in a biodiversity hotspot: the Amphibians of the tropical Andes" PI: I. De la Riva (National Museum Madrid), Co-PIs: R. Marquez (National Museum Madrid), R. O. de Sá (UR), and J. Koehler (Hessisches Landesmuseum Darmstadt, Germany).
- 2006 NSF "Revisionary Proposal. Diversity beyond morphology: A revision of the frog genus *Leptodactylus* (Anura, Leptodactylidae)" Equipment Supplement. P.I: R.O. de Sá.
- 2008 National Geographic "Amphibians of the Fractured Dome: species diversity, conservation and evolutionary history across the Ethiopian Rift Valley" PI: Simon Loader

(Univ. of Basel), CO-PIs: R. O. de Sá (UR), D. Gower (British Museum), and A. Mengistu (U. of Ethiopia).

2012 NSF "Revision of the poorly known frog genus *Chiasmocleis* (Anura, Microhylidae)"

PI: R.O. de Sá.

2013 Research Experience for Undergraduates, Supplemental request. PI: R.O. de Sá.

2013 HED-USAID. "Building conservation capacity for a changing Amazonia." PI: David

Salisbury (UR), CO-PIs: M. Finley-Brook (UR), R.O. de Sá (UR), and P. Smallwood (UR).

Special Meetings:

- 1985 Invited participant to the "Wildlife in the everglades and Latin American Wetlands Conference." Miami, USA.
- 1987 Sixth Symposium on African Amphibians.
- 1989 Invited speaker to the "Symposium on the biology and genetics of Pipidae", First World Congress of Herpetology. Canterbury, England.
- 1990 Invited BIOLAT Instructor in the Smithsonian Workshop on "Techniques to estimate biodiversity." Lima, Peru. Also invited and declined to 1992 workshop.
- 1990-1993 International Organizing Committee, III Latin-American Congress of Herpetology, elected member by the General Assembly.
- 1993 Invited Speaker, III Latin-American Congress of Herpetology, Campinas, Brazil.
- 1993 Invited Speaker, symposium on "The biology of Neotropical tadpoles", III CLAH, Campinas, Brazil.
- 1993-1997 International Organizing Committee, IV Latin-American Congress of Herpetology, Chile, elected member by the General Assembly.
- 1997-1999 International organizing Committee, V Latin-American Congress of Herpetology, Uruguay, re-elected member by the General Assembly.
- 1999 Symposium Organizer. "Biology of Leptodactylidae". V Latin-American Congress of Herpetology, Uruguay.
- 2003 Invited Speaker, symposium on "Amazonian Frogs", ASIH, HL, and SSAR, Manaus, Brazil
- 2005 Symposium Co-Organizer (with Dr. Oscar Flores, Univ. Nac. Aut. de Mexico). "Systematics and Biogeography of the Latinamerican Herpetofauna" VII Latin-American Congress of Herpetology, Cuernavaca, Mexico.
- 2005 Amphibian Conservation Summit, Washington DC. Rafael de Sá and Gabriela Parra, Co-Chairs of "Diversity Assessments and Conservation" working group.
- 2005 Keynote Speaker at V SIRGEALC (V Symposium on Genetic Resources in LatinAmerican and the Caribbean), "Global Biodiversity Crisis: Genetic Diversity and Amphibian Extinctions". Montevideo, Uruguay.
- 2005-2008 International Organizing Committee, VIII Latin-American Congress of Herpetology, Cuba, November 24-29, 2008, Varaderos, Cuba, elected member by the General Assembly.
- 2008 Symposium Co-Organizer "Systematics and Biogeography of the Latinamerican Herpetofauna" VIII Latin-American Congress of Herpetology, Varaderos, Cuba.
- 2008 Invited Opening Conference. "Sistemática y Evolución: estudios en el genero *Leptodactylus*", December 2008, Montevideo, Uruguay,
- 2008-2010 Scientific Committee, International Congress of Vertebrate Morphology, July 2010, Punta del Este, Uruguay
- 2009-2011 International Organizing Committee, IX Latin-American Congress of Herpetology, July 2011, Curitiba, Brazil, elected member by the General Assembly.

- 2009 Workshop: Development of the Amphibian Anatomical Ontology, a web community-based resource. Also workshops in 2006, 2007, and 2008.
- 2010 I Brazilian Symposium of Amphibian Taxonomy and Systematics. Rio Claro, Sao Paulo, Brasil, July 2010.
- 2010 International Symposium on Long-Term Studies of Biodiversity. Sao Paulo, Brasil, November 2010.
- 2012 Keynote Speaker at II Congreso de Zoología. Posición Filogenética del Género *Chiasmocleis* Méhely, 1904 (Anura: Gastrophryninae). Montevideo, Uruguay, December 2012.
- 2013 Biodiversidad, Evolución, y Conservación. Pucallpa, Peru, September 2013. Faculty and Graduate student course within the USAID-HED UR-UNU Project framework.

Publications: (**Bold** = undergraduate author, Underlined = graduate student)

1. Gerhau, A. and R. O. de Sá. 1980. Comunicación preliminar sobre las larvas de *Limnomedusa macroglossa* (Amphibia: Leptodactylidae). Revista de las Jornadas de Ciencias Biologicas, Montevideo (1): 85-86.
2. de Sá, R. O. and A. Gerhau. 1982. Observaciones sobre la biología de *Phyllomedusa iheringii* Boulenger, 1885 (Anura: Hylidae). Boletín de la Sociedad Zoológica del Uruguay (1): 83-96.
3. de Sá, R. O. 1983. Descripción de la larva de *Argentohyla siemersi* (Mertens, 1937) (Anura: Hylidae). Revista de las Jornadas de Ciencias Biologica Montevideo (3): 40-41.
4. de Sá, R. 1983. Lista de las especies de vertebrados del Uruguay, Amphibia, Facultad de Humanidades y Ciencias. Departamento de Zoología de Vertebrados, Dirección General de Extensión Universitaria, División Publicaciones y Ediciones. Montevideo, Uruguay.
5. Bucher, E., R. de Sá, et al. 1983. Evaluación y Planificación de Areas de Reservas Naturales. Publicación del Centro de Zoología Aplicada, Universidad de Córdoba, 32 p.
6. Vaz-Ferreira, R., R. O. de Sá, F. Achaval, and A. Gerhau. 1984. *Leptodactylus podicipinus* (Cope, 1862) and *L. chaquensis* Ceí, 1950 (Anura: Leptodactylidae) en el Uruguay. Boletín de la Sociedad Zoológica del Uruguay (2): 72-77.
7. de Sá, R. O. and N. Berois. 1985. Estructura del ovario de *Chthonerpeton indistinctum* (Amphibia: Gymnophiona) durante la gestación. Actas de las Jornadas de Zoología del Uruguay (1): 11-12.
8. Berois, N. and R. O. de Sá. 1985. Morfología y funciones del conducto de Muller de *Chthonerpeton indistinctum* (Reinhardt & Lutken, 1862) (Amphibia: Gymnophiona) en relación con los mecanismos reproductivos de la especie. Actas de las Jornadas de Zoología del Uruguay (1): 10-11.
9. de Sá, R. O. and N. Berois. 1985. Revisión de la gametogenesis en *Chthonerpeton indistinctum* (Reinhardt & Lutken, 1862) (Amphibia: Gymnophiona). Boletín de la Sociedad Zoológica del Uruguay (3): 25-30.
10. de Sá, R. O. and N. Berois. 1986. Spermatogenesis and histology of the testes of *Chthonerpeton indistinctum* (Gymnophiona: Typhlonectidae). Journal of Herpetology 20 (4): 510-514.
11. Berois, N. and R. O. de Sá. 1988. Histology of the ovaries and fat bodies of *Chthonerpeton indistinctum*. Journal of Herpetology 22(2): 146-151.

12. Hillis, D. M. and R. O. de Sá. 1988. Phylogeny and taxonomy of the *Rana palmipes* group (Salientia: Ranidae). *Herpetological Monographs* 2: 1-26.
13. de Sá, R. O. 1988. Chondrocranium and ossification sequences of *Hyla lanciformis*. *Journal of Morphology* 195: 345-355.
14. Duellman, W. E. and R. O. de Sá. 1988. A new genus and species of South American hylid frog with a highly modified tadpole. *Tropical Zoology* 1: 117-136.
15. de Sá, R. O. and D. M. Hillis. 1990. Phylogenetic relationships of the pipid frog *Xenopus* and *Silurana*: An integration of ribosomal DNA and morphology. *Journal of Molecular Biology and Evolution* 7(4): 365-376.
16. Donnelly, M., C. Guyer, and R. O. de Sá. 1990. The tadpole of the dart-poison frog *Phyllobates lugubris* (Anura: Dedrobatidae). *Proceeding of the Biological Society of Washington* 103(2): 427-431.
17. Donnelly, M., R. O. de Sá, and C. Guyer. 1990. Description of the tadpoles of *Gastrophryne pictiventris* and *Nelsonophryne aterrima* with a review of morphological variation in free-swimming microhylid larvae (Anura: Microhylidae). *American Museum of Natural History, Novitates* 2976:1-19.
18. de Sá, R. O. and L. Trueb. 1991. Osteology, skeletal development, and chondrocranial structure of *Hamptophryne boliviana* (Anura: Microhylidae). *Journal of Morphology* 209:311-330.
19. Hillis, D. M. L. K. Ammerman, M. T. Dixon, and R. O. de Sá. 1993. Ribosomal DNA and the phylogeny of frogs. *Herpetological Monographs* 7: 118-131.
20. de Sá, R. O. and D. M. Hillis. 1993. Morfología y Moléculas: Bases complementarias de la sistemática moderna. *Actas de la V Reunion Iberoamericana de Conservacion y Zoología de Vertebrados, Boletín de la Sociedad Zoológica del Uruguay* 8: 19-29.
21. Cannatella D. C. and R. O. de Sá. 1993. *Xenopus laevis* as a model organism. *Systematic Biology* 42(4): 476-507.
22. de Sá, R. O. M. Zellner, and M. Grubman. 1994. Phylogenetic analysis of segment 10 from African Horseshoe Virus and cognate genes from other orbiviruses. *Virus Research* 33:157-165.
23. Mitchell, J. C. and R. O. de Sá. 1994. *Terrapene carolina carolina* (Eastern Box Turtle) Reproduction. *Herpetological Review* 25(2): 64.
24. de Sá, R. O. 1995. *Hyla albopunctata* account. *Catalogue of American Amphibians and Reptiles*. *Catalogue of American Amphibians and Reptiles* 602:1-4.
25. de Sá, R. O. and E. O. Lavilla. 1996. Características de la osificación craneal en *Phyllomedusa boliviana*. (Anura: Hylidae). *Cuadernos de Herpetología* 9(2):69-73.
26. de Sá, R. O., R. Wassersug, and A.I. Kehr. 1997. Description of three *Scinax* tadpoles (Anura: Hylidae). *The Herpetological Journal (London)* 7(1): 13-17.
27. Loureiro, M. and R. O. de Sá. 1996. The external morphology of the chorion of the annual fishes *Cynolebias* (Cyprinodontiformes: Rivulidae). *Copeia* 4:1016-1022.
28. de Sá, R. O. 1996. *Hyla multifasciata* account. *Catalogue of American Amphibians and Reptiles*. *Catalogue of American Amphibians and Reptiles* 624:1-4.
29. Lavilla, E. O., R. O. de Sá, and I. de la Riva. 1997. Description of the tadpole of *Atelopus tricolor* (Anura: Bufonidae). *Journal of Herpetology* 31(1):121-124.
30. Heyer, W. R., R.O. de Sá, J.R. McCranie, and L.D. Wilson. 1997 *Leptodactylus silvanimbus* (Amphibia, Anura, Leptodactylidae) natural history notes, advertisement call, and relationships. *Herpetological Natural History* 4(2):169-174.
31. de Sá, R. O. and E. O. Lavilla. 1997. An apparent case of heterochrony, the tadpole of *Pseudis minuta* (Anura: Pseudidae). *Amphibia-Reptilia* 18:229-240

32. de Sá, R. O. and **S. Hill**. 1998. Chondrocranial anatomy and skeletogenesis in *Dendrobates auratus* (Anura: Dendrobatidae). *Journal of Herpetology* 32(2):205-210.
33. de Sá, R. O. 1998. The biology of *Xenopus*. R.C. Tinsley and H. C. Kobel (eds). Book review. *Copeia* 2: 528-530
34. **Larson, P.** and R. O. de Sá. 1998. Chondrocranial morphology of *Leptodactylus* larvae (Leptodactylidae: Leptodactylinae): its utility in phylogenetic reconstruction. *Journal of Morphology* 238:287-305
35. **Loureiro, M.** and R. O. de Sá. 1998. Osteological analysis of the killifish genus *Cynolebias* (Cyprinodontiformes: Rivulidae). *Journal of Morphology* 238:245-262
36. **Swart, C. C.** and R. O. de Sá. 1999. The chondrocranium of the Mexican Burrowing Toad *Rhinophrynus dorsalis* (Anura: Rhinophrynidae). *Journal of Herpetology* 33(1): 23-28
37. Lavilla, E. O. and R. O. de Sá. 1999. Estructura del condrocraneo y esqueleto visceral de larvas de *Pseudis minuta* (Anura: Pseudidae). *Alytes*, 16(3-4): 139-147.
38. **Smetanick, M. T.** R. O. de Sá, and G. P. Radice. 1999. The timing and pattern of myogenesis in *Hymenochirus boettgeri*. *Journal of Herpetology* 33(2):33-334.
39. de Sá, R. O. and **C. Swart**. 1999. Development of the suprarostrals plate of pipoid frogs. *Journal of Morphology* 240:143-153.
40. **d'Heursel, A.** and R. O. de Sá. 1999. Comparing the tadpoles of *Hyla geographica* and *Hyla semilineata*. *Journal of Herpetology* 33(3): 353-361.
41. de Sá, R. O. 1999. Unidad de los anfibios modernos como grupo natural. *Boletín de la Sociedad Zoológica del Uruguay*, 2da época, 10:25-33.
42. Radice, G., **M.K. Boggiano, M. DeSaantis, P. Larson, J. Oppong, M. Smetanick, T. Stevens, J. Tripp, R. Weber**, M. Kerckhove, and R. de Sá. 1999. Three-dimensional reconstructions of tadpole chondrocrania from histological sections. *Virginia Academy of Science*, 50 (3):227-235.
43. **Smetanick, M.T.**, R.O. de Sá, and G.P. Radice. 2000. Do timing and pattern of myogenesis correlate with life history mode in anurans? *Journal of Herpetology* 34(4): 637-44
44. de Sá, Rafael O. 2000. Los Coquis de Puerto Rico: Su Historia Natural y Conservación. [The *Eleutherodactylus* of Puerto Rico: Their Natural History and Conservation], by Rafael Joglar. 1999. Editorial de la Universidad de Puerto Rico (San Juan, Puerto Rico, 00931-3360, USA). 232 pp. Hardcover. ISBN 0-8477-0332-0. *Herpetological Review* 31(1): 60-61
45. de Sá, R. O. 2000. Los anfibios del Monumento Natural Barro Colorado, Parque Nacional Soberanía y Areas Ayacentes. *The Amphibians of Barro Colorado Nature Monument, Soberanía National Park and Adjacent Areas*, by R. C. Ibañez, A. S. Rand, and C. A. Jaramillo. 1999. Editorial Mizrachi & Pujol S. A., Panama, 187 pp. Hardcover ISBN 9962811171. *Herp Review* 31(3): 195-196.
46. **Loureiro, M.** and R. O. de Sá. 2000. Ornamentación del corion en los huevos de especies de *Austrolebias* y *Symptonichthys* (Rivulidae: Cynolebiatinae). *FACENA* 16:85-91.
47. **Fan, S-Y**, R.O. de Sá, and G.P. Radice. 2001. A common pattern of somite cell rotation in three species of Pipidae. *Journal of Herpetology* 35(1): 114-116.
48. Lavilla, E. O. and R. O. de Sá. 2001. Chondrocranium and visceral skeleton of *Atelopus tricolor* and *Atelophryniscus chrysophorus* (Anura: Bufonidae) tadpoles. *Amphibia-Reptilia* 22:167-177.
49. de Sá, R. O. and J. Langone. 2002. The tadpole of *Proceratophrys avelinoi* (Mercadal de Barrio and Barrio, (Anura: Leptodactylidae). *Journal of Herpetology* 36(3): 490-494.
50. de Sá, R. O. and A. Channing. 2003 The tadpole of *Phrynobatrachus mababiensis* FitzSimons, 1932 (Anura: Ranidae: Petropedetinae). *Alytes* 20((3-4): 132-136.
51. Heyer, W. R., R.O. de Sá, and **S. Muller**. 2002 *Leptodactylus silvanimbus* (Anura:

- Leptodactylidae). Catalogue of American Amphibians and Reptiles 743.1-743.3.
52. du Preez, L.H., Tinsley, R. C. and de Sá, R. 2003. Polystomatidae (Monogenea) of Southern African Anura: *Eupolystoma vanasi* n. sp. parasitic in *Schismaderma carens* (Smith, 1848). Systematic Parasitology. Systematic Parasitology 54:71-79.
 53. **Larson, P. M.**, de Sá, R. O., and **Arrieta, D.** 2003. Chondrocranial, hyobranchial, and internal oral morphology in the basal bufonid genus *Melanophryniscus* (Amphibia: Anura). Acta Zoologica 84:145-154
 54. Heyer, M. H., W. R. Heyer, **S. Spear**, and R. O. de Sá. 2003 *Leptodactylus mystacinus* account. Catalogue of American Amphibians and Reptiles 667.1-667.11.
 55. Hertwig, S., R. O. de Sá, and A. Haas. 2003. Phylogenetic signal and the utility of 12S and 16S mtDNA in frog phylogeny. Journal of Zoological Systematics and Evolutionary Research 41:1-17.
 56. **Nuñez, D.**, R. Maneyro, Langone, J. and R. O. de Sá. 2004. Distribución geográfica de la fauna de anfibios del Uruguay. Smithsonian Information Series 134:1-34.
 57. Maneyro, R., **D. Arrieta**, and R. O. de Sá. 2004. A new toad (Anura: Bufonidae) from Uruguay. Journal of Herpetology 38(2):161-165.
 58. de Sá, R.O., S. Loader, and A. Channing. 2004. A new species of *Callulina* (Anura: Microhylidae) from the West Usambara Mountains, Tanzania. Journal of Herpetology 38(2):219-224.
 59. Heyer, W. R., R.O. de Sá, and **S. Muller**. 2005. The enigmatic distribution of the Honduran endemic *Leptodactylus silvanimbus* (Amphibia: Anura: Leptodactylidae). In M. A. Donnelly, C. Guyer, & M. H. Wake (editors), Ecology and Evolution in the Tropics: A Herpetological Perspective. Chapter 4, pages 81-101, University of Chicago Press.
 60. de Sá, R.O., Camargo, A. and W. R. Heyer. 2005. Are *Leptodactylus dydimus* and *L. mystaceus* phylogenetically sibling species (Amphibia, Anura, Leptodactylidae)? Pp. 90-92. In: Herpetologia Petropolitana, A. Ananajeva y O. Tsinenko (Eds.), Proceeding of the 12th Ordinary General Meeting of the Societas Europaea Herpetologica, St. Peterburg, Russia.
 61. Heyer, W.R., de Sá, R.O. and **Rettig, A.** 2005. Sibling species, advertisement calls, and reproductive isolation in frogs of the *Leptodactylus pentadactylus* species cluster (Amphibia, Leptodactylidae). Pp. 35-39. In: Herpetologia Petropolitana, A. Ananajeva y O. Tsinenko (Eds.), Proceeding of the 12th Ordinary General Meeting of the Societas Europaea Herpetologica, St. Peterburg, Russia.
 62. Caramaschi, U., de Sá, R.O., and Heyer, W. R. 2005. Common names for the frog genus *Leptodactylus* (Amphibia, Anura, Leptodactylidae). Herpetological Review 36(2):119-120.
 63. Camargo, A., de Sá, R. O. and W.R. Heyer. 2006. Phylogenetic analyses of mtDNA sequences reveal three cryptic lineages in the widespread neotropical frog *Leptodactylus fuscus* (Schneider, 1799) (Anura, Leptodactylidae). Biological Journal of the Linnean Society 87: 325-341.
 64. Loader, S.P., D. J. Gower, K. M. Howell, N. Doggart, M. Rödel, Barry T. Clarke, R. O. de Sá, B. L. Cohen and M. Wilkinson. 2004. Phylogenetic relationships of African microhylid frogs inferred from DNA sequences of mitochondrial 12S and 16S rRNA genes. Organisms, Diversity and Evolution 4:227-235.
 65. **Naya, D. E.**, J. A Langone, and R. O. de Sá. 2005. Características histológicas de la tumefacción frontal de *Melanophryniscus* (Amphibia: Anura: Bufonidae). Revista Chilena de Ciencias Naturales. 77:593-598.
 66. de Sá, R., W.R. Heyer, and A. Camargo. 2005. A phylogenetic analysis of *Vanzolinius* (Amphibia, Anura, Leptodactylidae): Taxonomic and life history implications. Arquivos do Museu de Historia Natural do Rio de Janeiro, 63(4):1-20.

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112. Magalhaes, F. M., Garda, A. A., Amado, T., and de Sá, R. O. 2014. The tadpole of *Leptodactylus caatingae* Heyer & Junca 2003 (Anura: Leptodactylidae): external morphology, internal anatomy, and natural history. *In press: South American Journal of Herpetology*.

113. de Sá, R.O., Grant, T., Camargo, A., Heyer, W. R., Ponssa, M. L., and **Stanley, E.** Phylogeny of the Neotropical genus *Leptodactylus* Fitzinger, 1826 (Anura: Leptodactylidae), 280 pp, 136 figs., 9 Plts., and 3 Appendices Accepted: South American Journal of Herpetology.

Presentations at National/International Meetings: (**Bold**=undergraduate author, Underlined = graduate student)

1. de Sá, R. O. 1980. Descripción de la larva de *Limnomedusa macroglossa*. I Jornadas de Ciencias Naturales de Montevideo.
2. de Sá, R. O. 1982. Dos nuevas especies de anuros leptodactílicos para el Uruguay. X Reunión de Comunicaciones de la Sociedad Zoológica del Uruguay.
3. de Sá, R. O. 1982. Notas sobre *Phyllomedusa iheringii*. III. Reunión de Comunicaciones de la Sociedad Zoológica del Uruguay.
4. de Sá, R. O. 1983. Comunicación preliminar sobre la larva de *Argentohyla siemersi*. III. Jornadas de Ciencias Naturales de Montevideo.
5. de Sá, R. O. 1984. Histología del testículo de *Chthonerpeton indistinctum*. XXIV Reunión de Comunicaciones de la Sociedad Zoológica del Uruguay.
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7. de Sá, R. O. 1985. Gametogenesis in *Chthonerpeton indistinctum*. . 65th Annual Meeting American Society of Ichthyologists and Herpetologists. Knoxville, Tennessee.
8. de Sá, R. O. 1988. Resurrection of the genus *Boana*: A monophyletic genus of neotropical treefrogs. Joint Meetings: ASIH, SSAR, and Herp League. Ann Arbor, Michigan.
9. de Sá, R. O. 1988. Condrocráneo y secuencia de osificación de *Hyla lanciformis*. V Iberoamerican Meetings of Vertebrate Zoology and Conservation, Montevideo, Uruguay.
10. de Sá, R. O. 1988. Morfología y Moléculas: Bases complementarias de la sistemática moderna. Invited Lecture at the V Iberoamerican Meetings of Vertebrate Zoology and Conservation, Montevideo, Uruguay.
11. de Sá, R. O. 1989. Molecular investigations on the phylogeny of pipoid frogs. Invited Speaker at the First World Congress of Herpetology, Canterbury, England.
12. de Sá, R. O. 1990. Desarrollo osteológico de *Hamptophryne boliviana*. II Congreso Latinoamericano de Herpetología, Mérida, Venezuela.
13. de Sá, R. O. 1990. Relaciones filogenéticas del género *Silurana*. II Congreso Latinoamericano de Herpetología, Mérida, Venezuela.
14. de Sá, R. O., M. Zeller, and M. Grubman. 1993. Phylogenetic analysis of segment 10 from African Horsesickness virus and cognate genes from other orbiviruses. IX International Congress of Virology, Glasgow, Scotland.
15. de Sá, R. O. 1993. Estudios moleculares en anfibios. Invited Lecturer at the III Congreso Latinoamericano de Herpetología, Campinas, Brazil.
16. de Sá, R. O. 1993. Renacuajos de Phyllomedusinae: inicio de una visión interna. III Congreso Latinoamericano de Herpetología, Campinas, Brazil.
17. de Sá, R. O. 1994. Chondrocranial structure and adaptations in anuran larvae. 4th International Congress of Vertebrate Morphology, Chicago.
18. de Sá, R. O. 1997. Anatomical characteristics of Phyllomedusinae tadpoles. Third World Congress of Herpetology.
19. **Freeman, J.** and R.O. de Sá. 1995. The chondrocranial morphology of *Smilisca phaeota* and *S. baudinii* and Ossification sequence of *Smilisca phaeota* (Anura: Hylidae). 38th Meeting

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20. **Freeman, J.** and R. O. de Sá. 1995. The internal anatomy and morphology of the tadpole's oral structure in two species of *Smilisca* (Anura: Hylidae). 38th Meeting SSAR.
21. **Hill, S.** and R. O. de Sá. 1996. Chondrocranial anatomy and ossification sequence of *Dendrobates auratus* (Anura: Dendrobatidae). 39th Meeting SSAR.
22. de Sá, R. O. and E. O. Lavilla. 1996. Descripción de la larva de *Pseudis minuta* (Anura: Pseudidae) y de su morfología oral interna. IV Latinamerican Congress of Herpetology, Santiago de Chile, Chile, October.
23. **Arrieta, D.** and R. O. de Sá. 1996. Características condrocraaneales de bufonidos del género *Melanophryniscus* (Anura: Bufonidae). IV Jornadas de Zoología del Uruguay. Montevideo.
24. **Larson, P.** and R. O. de Sá. 1997. Chondrocranial morphology and skeletogenesis in the genus *Leptodactylus* (Amphibia: Anura: Hylidae). Joint Meetings: ASIH, HL, and SSAR. Seattle Washington.
25. **Willey, J.** and R. O. de Sá. 1997. Comparative analysis of the courtship behavior of *Cynolebias whitei* and *Cynolebias alexandri* (Cyprinodontiformes: Rivulidae). Joint Meetings: ASIH, HL, and SSAR. Seattle Washington.
26. **Swart, C.** and R. O. de Sá. 1997. The chondrocranium of *Rhinophrynus dorsalis*. Joint Meetings: ASIH, HL, and SSAR. Seattle Washington.
27. **Schwartz, G., T. Stevens,** R. O. de Sá. 1997. Chondrocranial anatomy, skeletogenesis, and internal oral morphology of three species of *Ptychohyla* (Amphibia: Anura: Hylidae). Joint Meetings: ASIH, HL, and SSAR. Seattle Washington.
28. **Weber, R.** and R. O. de Sá. 1997. Diagnostic characteristics of *Hypopachus* tadpoles (Anura: Hylidae). Joint Meetings: ASIH, HL, and SSAR. Seattle Washington.
29. **Swart, C.** and R. O. de Sá. 1997. Development of the suprarostrals plate in pipoid frogs. Joint Meetings: ASIH, HL, and SSAR. Guelph, Canada.
30. **Riley, T. D.** and R. O. de Sá. 1997. Chondrocranial anatomy and skeletogenesis in two species of neotropical *Hyla*. Joint Meetings: ASIH, HL, and SSAR. Seattle Washington.
31. **Hines, E.** and R. O. de Sá. 1997. Internal oral anatomy, a comparative analysis of the Phyllomedusinae (Anura: Hylidae). Joint Meetings: ASIH, HL, and SSAR. Seattle Washington.
32. **Smetanick, M.,** G. P. Radice, and R. O. de Sá. 1997. Patterns of musculoskeletal development in the direct and indirect developing anurans. Joint Meetings: ASIH, HL, and SSAR. Seattle Washington.
33. **Turner, W. H.** and R. O. de Sá. 1998. Chondrocranial morphology and skeletogenesis in three species of *Physalaemus* (Anura: Leptodactylidae). Joint Meetings: ASIH, HL, and SSAR. Guelph, Canada.
34. **Feden, J.** and R. O. de Sá. 1998. Relationships of *Gastrophryne* (Anura: Microhylidae) based on mitochondrial 12S ribosomal DNA sequences. Joint Meetings: ASIH, HL, and SSAR. Guelph, Canada.
35. **Spear, S. F.** and R. O. de Sá. 1998. Chondrocranial and internal oral anatomy of *Hyla chrysoselis* (Anura: Hylidae). Joint Meetings: ASIH, HL, and SSAR. Guelph, Canada.
36. **Smetanick, M.,** R. O. de Sá, and G. P. Radice. 1998. The timing and pattern of myogenesis in *Hymenochirus boettgeri*. Joint Meetings: ASIH, HL, and SSAR. Guelph, Canada.
37. de Sá, R. O. 1998. The monophyly of anuras in relation to the development of the tadpoles' rostral region. Fifth Symposium of the Herpetological Association of Africa, Stellenbosch, South Africa.
38. **Swart, C.,** R. O. de Sá, and A. 1999. Lathrop. Internal oral anatomy of the larvae of seven species of megophryids (Anura: Megophryidae). Joint Meeting: ASIH, HL, and SSAR. State

- College, Penn State University.
39. Turner, W. and R. O. de Sá. 1999. Larval chondrocranial morphology of *Limnomedusa macroglossa* (Anura: Leptodactylidae: Leptodactylinae). Joint Meeting: ASIH, HL, and SSAR. State College, Penn State University.
 40. Swart, C., **S. Spear**, and R. O. de Sá. 1999. Variation in larval chondrocranial morphology among three species of *Xenopus*. Joint Meeting: ASIH, HL, and SSAR. State College, Penn State University.
 41. de Sá, R. O. and W. R. Heyer. 1999. Dos clados monofileticos de *Leptodactylus* basados en secuencias mitocondriales. V Latinamerican Congress of Herpetology, Montevideo, Uruguay.
 42. de Sá, R. O. and **P. Larson**. 1999. Anatomia condrocranial, phyllomedusines, y filogenia. V Latinamerican Congress of Herpetology, Montevideo, Uruguay, December 1999
 43. Heyer, R. W., R.O. de Sá, and **S. Muller**. 2000. Does phylogeny illuminate the enigmatic distribution of *Leptodactylus silvanimbus* (Anura: Leptodactylidae). Joint Meetings: ASIH, HL, and SSAR. La Paz, Baja California, Mexico.
 44. de Sá, R. O., W. R. Heyer, and **S. Muller**. 2000. Moléculas, biogeografía y la distribución de *Leptodactylus silvanimbus* (Anura: Leptodactylidae). XV Reunion de Comunicaciones Herpetológicas de la Asociación Herpetológica Argentina, October, San Carlos de Bariloche, Rio Negro, Argentina.
 45. de Sá, R. O. and W. R. Heyer. 2001. Estudios sobre las relaciones evolutivas del género *Leptodactylus*. 1st Simposio da Sociedade Brasileira de Herpetologia, February, Sao Paulo, Brazil.
 44. Langone, J.A. y R. O. de Sá. 2001. Redescripción de la morfología larval externa de dos especies del grupo *fuscus* (Anura: Leptodactylidae, *Leptodactylus*). IV Congreso Argentino de Herpetología, Salta, Argentina.
 45. de Sá, R. O., W.R. Heyer, and A. Camargo. 2001. Especies morfológicamente idénticas, son especies hermanas? Ejemplo en *Leptodactylus*. IV Congreso Argentino de Herpetología, Salta, Argentina.
 46. Camargo, A., R. O. de Sá, and W.R. Heyer. 2001. Diversidad genética en *Leptodactylus fuscus* (Schneider, 1799) basado en las secuencias de genes mitocondriales. IV Congreso Argentino de Herpetología, Salta, Argentina.
 47. **Nuñez, D.**, R. Maneyro, J. Langone, and R.O. de Sá. 2001. Distribución geográfica de la batracofauna del Uruguay. IV Congreso Argentino de Herpetología, Salta, Argentina.
 48. de Sá, R.O. and A. Channing. *Callulina kisiwamsitu*, a new microhylid frog from the West Usambara Mountains, Tanzania. XI Meeting African Amphibian Working Group.
 49. de Sá, R. O., W. R. Heyer, and A. Camargo. 2002. *Vanzolinus*: is it a *Leptodactylus*?. Joint Meeting: ASIH, HL, and SSAR. Kansas City, KS.
 50. Heyer, W. R., R. O. de Sá, and A. Camargo. 2002. Are the Frog Genera *Leptodactylus* and *Vanzolinus* Monophyletic? Phylogenetic and Life History Implications. VI International Congress of Systematics and Evolutionary Biology, Patras, Greece.
 51. de Sá, R. O., W. R. Heyer, and A. Camargo. 2002. Does more data help to understand species boundaries? The case of *Leptodactylus fuscus*. VI International Congress of Systematics and Evolutionary Biology, Patras, Greece.
 52. Heyer, W. R., R.O. de Sá, and A. Camargo. 2003. Are the Frog Genera *Leptodactylus* and *Vanzolinus* Monophyletic? Phylogenetic and Life History Implications. VI Congreso Latinoamericano de Herpetología, Lima Peru.
 53. de Sá, R. O. and W. R. Heyer. 2003. Amazonian *Leptodactylus*: Diversity beyond morphology? Joint Meeting: ASIH, HL, and SSAR.

54. **Rettig, A.**, de Sá, R. O. and W. R. Heyer. 2003. Genetic diversity in populations of *Leptodactylus pentadactylus*. Joint Meetings: ASIH, HL, and SSAR.
55. **Yanek, K.**, de Sá, R. O. and W. R. Heyer. 2003. Is *Leptodactylus validus* a species complex? Joint Meetings: ASIH, HL, and SSAR.
56. de Sá, R. O., W. R. Heyer, and U. Caramaschi. 2003. *Leptodactylus ocellatus*: one or more species? 12th Meeting of Societas Europaea Herpetologica, St. Petersburg. Russia.
57. Heyer, W. R., R. O. de Sá, and **A. Rettig**. 2003. Is speciation unaccompanied by discrete morphological and advertisement call differentiation in frogs of the *Leptodactylus pentadactylus* cluster (Anura, Leptodactylidae)? 12th Meeting of Societas Europaea Herpetologica, St. Petersburg. Russia.
58. de Sá, R. O. and W. R. Heyer. 2004. Avances recientes en el estudio del género *Leptodactylus*. 1st Brazilian Congress of Herpetology, Curitiba, Brazil.
59. Langone, J. A., R. O. de Sá, and M. V. Segalla. 2004. Observaciones sobre la larva de *Leptodactylus notoaktites* Heyer, 1978 (Anura: Leptodactylidae). 1st Brazilian Congress of Herpetology, Curitiba, Brazil.
60. **Stanley, E. L.** and R. O. de Sá Preliminary analysis of *Leptodactylus* (Anura: Leptodactylidae) relationships using a nuclear gene. 2004. 1st Brazilian Congress of Herpetology, Curitiba, Brazil.
61. de Sá, R.O. 2004. Systematics and Evolution in the neotropical genus *Leptodactylus*: Hidden variation. XIX International Conference of Zoology, Beijing, China.
62. **Cronan, K.** and R. O. de Sá. Resolving the status of *Leptodactylus fuscus* in Argentinean and Bolivian populations. 2005. Joint Meetings: ASIH, HL, and SSAR.
63. Brandão, R. A., L. D. Guimarães, and R. O. de Sá. 2005. Descrição e história natural do girino de *Leptodactylus pustulatus* Peters, 1870 (Anura: Leptodactylidae). 2^{do} Brazilian Congress of Herpetology, Curitiba, Brazil.
64. de Sá, R. O and W. R. Heyer. 2005. Biogeography of the large species of *Leptodactylus pentadactylus* group (Leptodactylidae, Anura). VII Congreso Latinoamericano de Herpetología, Cuernavaca, Mexico.
65. **Barlow, P.**, A. Channing, L. Minter, G. Baker, and R.O. de Sá. Evolutionary relationships in the genus *Breviceps*. 12th African Amphibian Working Group Meeting, August 2006, Abomey, Benin.
66. Heyer, W. R. and R. O. de Sá. 2006. Lowland neotropical frog systematics through the eyes of the genus *Leptodactylus*. Congreso Argentino de Herpetología, Corrientes, Argentina, Novembre 2006.
67. Fernandez, M., D. Cole, W. R. Heyer, S. Reichle, and R.O. de Sá. 2007. Predicting Neotropical frog distributions: Do more data improve the GIS models for *Leptodactylus* (Amphibia: Leptodactylidae) species? III Brazilian Congress of Herpetology, Belem, Brazil, July 2007.
68. Brandão, R. A. and R. O. de Sá. 2007. Notas sobre a ecologia, vocalização e girino de *Leptodactylus tapiti* Sazima & Bokermann 1978 (Anura: Leptodactylidae). III Brazilian Congress of Herpetology, Belem, Brazil, July 2007.
69. de Sá, R. O., T. Grant, S. Loader, W. R. Heyer, and A. Camargo. 2007. Evolutionary relationships of the genus *Leptodactylus* based on molecular data. III Brazilian Congress of Herpetology, Belem, Brazil, July 2007.
70. **Close, J.** and R.O. de Sá. Assessment of the genetic diversity in *Leptodactylus leptodactyloides* (Anura, Leptodactylidae). III Brazilian Congress of Herpetology, Belem, Brazil, July 2007.
71. Skuk, G.O., M.G. de Lima, F.A.C. do Nascimento, and R.O. de Sá. Oviposição e descrição do

- girino de *Leptodactylus vastus* A. Lutz, 1930 (Anura, Leptodactylidae). III Brazilian Congress of Herpetology, Belem, Brazil, July 2007.
72. de Sá, R. O. and **N. Cummings**. Assessing genetic diversity in African frog *Hemissus marmoratus* (Hemisotidae, Anura). 13th African Amphibian Working Group Meeting Arusha, Tanzania April 2008
 73. Heyer, W. R. & R. O. de Sá. 2008. Analysis of variation and systematic resolution of the *Leptodactylus bolivianus* complex (Amphibia: Anura: Leptodactylidae). IX Congreso Argentino de Herpetología, San Luis, Argentina, October 2008.
 74. **Sekonyela, R.**, R. O. de Sá, and S. Richards. Evolutionary Relationships of the Frog Genus *Callulops* (Anura, Microhylidae). Joint Meetings: ASIH, HL, and SSAR. Montreal, Canada, July 2008
 74. R. O. de Sá, Camargo, A., and W.R, Heyer. Phylogeography of the frog *Leptodactylus validus* (Amphibia: Anura): patterns and timing of colonization events in the Lesser Antilles. Cuba November 2008.
 75. Camargo, A., R. O. de Sá, and W.R, Heyer. Tiempo y modo de dispersion de la rana sudamericana *Leptodactylus validus* en el caribe durante el Pleistoceno. Congreso de Zoología, SZU, Montevideo, Uruguay. December 2008.
 76. de Sá, R. O. Sistemática y Evolución: estudios en el género *Leptodactylus*. Inaugural Conference. Congreso de Zoología, SZU, Montevideo, Uruguay. December 2008.
 77. Heyer, M. H., W. R. Heyer, & R. O. de Sá. 2008. Accessing and using the *Leptodactylus* clade (*Adenomera*, *Hydrolaetare*, *Leptodactylus*, *Lithodytes*) bibliography: A resource of 5,500+ references (and counting). Sixth World Congress of Herpetology, Manaus, August 2008.
 78. Ponsa, M. L., W. R. Heyer, & R. O. de Sá. 2008. Phylogeny of the genus *Leptodactylus* (Anura, Leptodactylidae) based on characters of morphology and mode of life. XXVII Meeting of the Willi Hennig Society and VIII Reunión Argentina de Cladística y Biogeografía, Tucuman, Argentina, October 2008.
 79. Fernandez, M., D. Cole, W. R. Heyer, S. Reichle, & R. O. de Sá 2008. Can niche modeling techniques yield realistic new insights to species-level distributions based on imprecise locality data? Third Irregularly Scheduled GIS at Smithsonian Institution Conference, January 2009.
 80. de Sá, R. O. 2010. Evolutionary relationships and systematics of the neotropical genus *Leptodactylus*. I Brazilian Simposium of Amphibian Taxonomy and Systematics. Rio Claro, Sao Paulo, July 2010.
 81. de Sá, R. O. 2010. Diversity beyond morphology: *Leptodactylus* as indicator of hidden diversity in Neotropical anurans. I Brazilian Simposium of Amphibian Taxonomy and Systematics. Rio Claro, Sao Paulo, July 2010.
 82. de Sá, R. O. 2011. NSF Intermediate evaluation of Long-term Program. International Symposium on Long-Term Studies of Biodiversity. Sao Paulo, Brasil, November 2010.
 83. de Sá, R. O. 2012. Understanding species diversity in the African genus *Hemissus*. 15th Meeting of the African Amphibian Working Group, Trento, Italy, May 28-June 1st, 2012.

UR Graduate Students:

- Marcelo Loureiro. UR Thesis Title: Osteology, morphology, and female choice in species of the genus *Cynolebias* (Cyprinodontiformes, Rivulidae). Graduated August 1996. Current Position: Associate Professor Zoology, University of Uruguay.
- Chris Swart. UR Thesis Title: Chondrocranial anatomy in pipoid frogs: determining polarity of chondrocranial characteristics in anurans. Graduated August 1998. Current Position:

Director of Microscopy, University of Connecticut.

- Will Turner. UR Thesis Title: Evolution of chondrocranium in Leptodactylidae. Graduated August, 1999. Current Position: Secondary Education Science Teacher.
- Arley Camargo. UR Thesis Title: Molecular resolution of the *Leptodactylus fuscus* species complex. Graduated August 2002. Current Position: Post-Doctoral Researcher, NSF funded project in Argentina.
- Ken Yanek. UR Thesis Title: Molecular analysis and biogeography of *Leptodactylus validus* populations in the Caribbean Islands. Started on August, 2001. Graduated July 2004. Current Position: MCV Researcher.

Advisor for:

- Melitta Meneghel. University of Uruguay. Master Thesis completed, December, 1997.
- Anne d'Heursel, University of Sao Paulo, Rio Claro. Master Thesis completed, December, 1998.
- Marcelo Loureiro, Doctoral Student, University of Uruguay. Completed March 2004.
- Flavio Baldisseri, Doctoral Student, University of Sao Paulo. Completed, 2001.
- Jose Langone, Doctoral Student, University of Uruguay, Uruguay, Completed, 2013
- Filipe Nascimento, Master Thesis, Federal University of Alagoas, Completed 2013,

Seminars:

- 1- "Evolution of the frog genus *Silurana*." R. O. de Sá. Invited speaker at the Department of Biological Sciences, Eastern Tennessee State University, November 1993.
- 2- "Molecular studies of frogs" R. O. de Sá. Invited speaker at the Biological Sciences Seminar Series, Old Dominion University, April 1995.
- 3- "Using molecules to resolve evolutionary relationships in anurans". R. O. de Sá. Biology Seminar, Texas A&M University, February 1996.
- 4- "MTFS: Molecular techniques, frogs, and systematics" R.O. de Sá. Invited speaker at Biology Seminar Series, Idaho State University, September 1996.
- 5- "Molecules and Morphology: the quest to understand frog evolution". R.O. de Sá. Seminar, California Academy of Sciences, April 1997.
- 6- "Anuran systematics: methodological approaches". R.O. de Sá. Seminar, Univ. of Corrientes, Argentina, December 1997
- 7- "Deciphering evolutionary relationships among anurans". R. O. de Sá, Seminar, Univ. of Virginia, March 1998.
- 8- "Assessing evolutionary relationships in the neotropical frog genus *Leptodactylus*". Smithsonian. Smithsonian Research Seminar Series/ Smithsonian-NSF Minority Research Training Program, January 2001.
- 9- "Assessing evolutionary relationships in the neotropical frog genus *Leptodactylus*" Invited speaker at Biology Seminar Series Ohio University, January, 2001.
- 10- "Molecules and tales on evolutionary relationships of neotropical frogs", Invited Seminar, Biology Department, VCU, April 2002.
- 11- "Estudios moleculares y evolutivos en el genero *Leptodactylus*" Invited Seminar, College of Sciences, University of Uruguay, May 2002.
12. "Bringing Evolution into the non-majors Curriculum". Invited Seminar at ACS Science Reform Workshop. Millsap College, Jackson, Mississippi. 2004.
13. "Evolution in the neotropical genus *Leptodactylus*" Invited Seminar, Virginia State

- University, October, 2005.
14. Biogeography of the large species of the *Leptodactylus pentadactylus* group (Leptodactylidae, Anura). University of Richmond, Howard Hughes Medical Institute Undergraduate Seminar Series. September 2005.
 15. “Avances en el estudio de la sistemática, evolución y especiación en el género *Leptodactylus*” Invited Seminar, College of Sciences, University of Uruguay, November 2005.
 16. Diversidad y sistemática; evolución y especiación: *Leptodactylus* como ejemplo de estudio. Invited seminar, Dept. of Biology, University of Brasilia, Brazil. November 2006.
 17. Microhylidae: Phylogeny, systematics, and morphology. Given at Universidad Ricardo Palma and Museum of Natural History of the National University of San Marcos, both in Lima, Peru. September, 2013.
 18. Crisis de Biodiversidad: extinction de anfibios y el rol de los estudios de diversidad genética. Universidad Nacional de Ucayali, Peru, September 2013. USAID-HED Project UR-UNU.

Hosted Visiting Scientists:

Over the years I hosted visiting scientist to train and work in my laboratory, these individuals interacted with UR undergraduate students during their visits.

Dr. Alexander Haas - Germany
 Dr. Esteban Lavilla - Argentina
 Dr. Flavio Baldissera - Brazil
 Dr. Simon Loader - England
 Dr. Ignacio de la Riva - Spain
 Dr. Anne d’Heursel - Brazil
 Dr. Steffen Reichle - Bolivia
 Lic. Mauricio Forlani - Brazil
 Lic. Monica Paz - Ecuador
 Lic. João Tonino – Brazil

Dr. Nibia Berois - Uruguay
 Lic. Diana Cardenas - Colombia
 Lic. Jose Langone - Uruguay
 Dr. Raul Maneyro - Uruguay
 Dr. Taran Grant - Canada
 Dr. Eli Greenbaum - US
 Dr. Maria Laura Ponssa – Argentina
 Lic. Pedro Peloso – Brazil
 Dr. Daniel Naya – Chile
 Lic. Filipe Nascimento — Brazil