



Adriana Lopes dos Santos

Date of Birth: 10/23/1979

Brazilian Citizen

adriana.lopes-dos-santos@sb-roscoff.fr

EDUCATION

- *PhD of Microbiology (2006 – 20/08/2010)*

Title: Molecular diversity of microbial leaching of the Metropolitan Region of Rio de Janeiro

Advisors: Alexandre Rosado and James Tiedje

Microbiology Institute at Federal University of Rio de Janeiro with collaborative period in Michigan State University.

- *Master of Genetics and Molecular Biology (2004 – 2006)*

Title: Study of Protein Interactions of SIVmac Nef with precursor viral GagPol and cellular protein ALIX/AIP-1: implications on viral replication and progression to AIDS in rhesus macaques.

Advisor: Luciana Jesus da Costa.

Department of Genetic at Federal University of Rio de Janeiro - Brazil

PROFESSIONAL EXPERIENCE

Teaching

- 12/2014
Teaching Assistant at post-graduate summer course *Marine Phytoplankton: from cultures to genomes a practical course*, Macaé, Brazil.
- 01/2014
Teaching Assistant at post-graduate summer course *Ecology and Diversity of Marine Microorganisms* (ECODIM VIII), Dichato, Chile.
- 01/2011 – 08/2011
Associate Professor of Department of Biomedicine at Universidade Católica de Petrópolis (UCP) - Brazil.

Postdoctoral

- 09/2012 – 07/2016
Postdoctoral Research Fellow - Station Biologique de Roscoff – France.

Ecological diversity of prasinophytes clade VII, the dominant green algae in the open ocean. Supervisor: Daniel Vaultot

- 08/2011 – 08/2012

Post doc junior at Oceanographic Institute – University of São Paulo (USP), Brazil. *Microbial diversity that regulates the flow of organic matter at the continental shelf of Southern Brazil (CARBON).* Supervisor: Vivian Helena Pellizari.

COMPLEMENTARY EDUCATION

- 29/05 – 06/07/2012
C-MORE - Microbial Oceanography Training program
(<http://cmore.soest.hawaii.edu/summercourse/2012/>) - University of Hawaii - Honolulu – United States.
- 9/01 – 28/01/2012
ECODIM - Ecology & Diversity of Marine Microorganisms VII
(<http://profc.udec.cl/ecodim/>) - Estación Costera de Investigaciones Marinas - Pontificia Universidad Católica de Chile - Las Cruces. Universidad de Concepción – Concepción - Chile.

SCIENTIFIC JOURNAL REVIEWER

2015 – Journal of the Marine Biological Association of the United Kingdom

2014 – Diversity

2013 – Aquatic Microbial Ecology

2008 – Brazilian Journal of Microbiology

PUBLICATIONS

Manuscripts in preparation or submitted

- a. **Santos, A.L.**, Gourvil, P., Rodriguez-Hernandez, F., Garrido, Luis, J. & Vaultot, D. 2015. *Photosynthetic Pigments of oceanic Chlorophyta belonging to prasinophytes clade VII. In revision for J. Phycol.*
- b. Ichinomiya, M. *, **Santos, A.L.** *, Yoshikawa, S., Kamiya, M., Ohki, K., Audic, S., de Vargas, C., Vaultot, D. & Kuwata, A. 2015. *Diversity and oceanic distribution of Parmales and Bolidophytes, a group closely related to diatoms. In review in ISME journal.* * Both authors contributed equally to the paper.
- c. Tragin, M., **Santos, A.L.**, Christen, R. & Vaultot, D. 2015. *Phylogenetic diversity and ecology of green microalgae in marine systems: a review. In revision for Perspectives in Phycology.*
- d. **Santos, A.L.**, Gourvil, P., Audic, S., de Vargas, C., Romac, S., Decelle, J., Simon, N., Jalabert, F. & Vaultot, D. 2015. *Diversity and oceanic distribution of prasinophytes clade VII, the dominant green algae in open oceans. In preparation for ISME J..*

- e. Ribeiro, C.G., **Santos, A.L.**, Marie, D., Vaultot, D. & Pellizari, V.H, Brandini, F.P. 2015. *Pico- and Nanoplankton Abundance and Biomass in the Southwest Atlantic Ocean. In preparation for PLOS One.*

Published Manuscripts

1. Decelle, J., Romac, S., Stern, R., Bendif, E.M., Zingone, A., Guiry, M., Guillou, L., Tessier, D., Le Gall, F., Gourvil, P., **Santos, A.L.**, Probert, I. et al. 2015. *PhytoREF: a reference database of the plastidial 16S rRNA gene of photosynthetic eukaryotes with curated taxonomy.* Mol. Ecol. Resour. doi: 10.1111/1755-0998.12401.
2. Plominsky, A.M., Delherbe, N., Ugalde, J.A., Allen, E.E., Blanchet, M., Ikeda, P., Santibañez, F., Hanselmann, K., Ulloa, O., Iglesia, R.D. I, Dassow, P. v, Astorga, M., Gálvez, M.J., González, M.L., Henríquez-Castillo, C., **Santos, A.L** et al. 2014. *Metagenome sequencing of the microbial community of a solar saltern crystallizer pond at Cáhuil Lagoon, Chile.* Genome Announc. doi: 10.1128/genomeA.01172-14
3. Rachid, C.T.C.C., **Santos, A.L.**, Piccolo, M.C., Balieiro, F.C., Coutinho, H.L.C., Peixoto, R.S., Tiedje, J.M. & Rosado, A.S. 2013. *Effect of Sugarcane Burning or Green Harvest Methods on the Brazilian Cerrado Soil Bacterial Community Structure.* PLoS One doi: 10.1371/journal.pone.0059342.
4. Carneiro, A.R., Ramos, R.T.J., Dall'Agnol, H., Pinto, A.C., Soares, S. de C., Santos, A.R., Guimarães, L.C., Almeida, S.S., Baraúna, R.A., das Graças, D.A., Franco, L.C., Ali, A., Hassan, S.S., Nunes, C.I.P., Barbosa, M.S., Fiaux, K.K., Aburjaile, F.F., Barbosa, E.G.V., Bakhtiar, S.M., Vilela, D., Nóbrega, F., **Santos, A.L.**, Carepo, M.S.P., Azevedo, V., Schneider, M.P.C., Pellizari, V.H. & Silva, A. 2012. *Genome sequence of Exiguobacterium antarcticum B7, isolated from a biofilm in Ginger Lake, King George Island, Antarctica.* J. Bacteriol. 194:6689–90.
5. **Santos, A.L.**, Siqueira, J.F., Rôças, I.N., Jesus, E.C., Rosado, A.S. & Tiedje, J.M. 2011. *Comparing the bacterial diversity of acute and chronic dental root canal infections.* PLoS One doi: 10.1371/journal.pone.0028088.
6. Dos Santos, H.F., Cury, J.C., do Carmo, F.L., **Santos, A.L.**, Tiedje, J., van Elsas, J.D., Rosado, A.S. & Peixoto, R.S. 2011. *Mangrove bacterial diversity and the impact of oil contamination revealed by pyrosequencing: Bacterial proxies for oil pollution.* PLoS One doi: 10.1371/journal.pone.0016943.
7. Rôças, I.N., Alves, F.R.F., **Santos, A.L.**, Rosado, A.S. & Siqueira, J.F. 2010. *Apical root canal microbiota as determined by reverse-capture checkerboard analysis of cryogenically ground root samples from teeth with apical periodontitis.* J. Endod. 36:1617–21.
8. **Santos, A.L.**, Peixoto, R. & Rosado, A.S. 2009. *New approaches to understanding microbial diversity in wastewater, landfills and leachate treatment.* Oecologia Aust. 13:631–48.
9. Jesus da Costa, L., **Santos, A.L.**, Mandic, R., Shaw, K., Santana de Aguiar, R., Tanuri, A., Luciw, P.A. & Peterlin, B.M. 2009. *Interactions between SIVNef, SIVGagPol and Alix correlate with viral replication and progression to AIDS in rhesus macaques.* Virology. 394:47–56.

10. Alves, F.R.F., Siqueira, J.F., Carmo, F.L., **Santos, A.L.**, Peixoto, R.S., Rôças, I.N. & Rosado, A.S. 2009. *Bacterial Community Profiling of Cryogenically Ground Samples from the Apical and Coronal Root Segments of Teeth with Apical Periodontitis*. J. Endod. 35:486–92.
11. Martínez, A.M.B. *, Hora, V.P.D. *, **Santos, A.L.** *, Mendoza-Sassi, R., Von Groll, A., Scares, E. a J.M., D'Ávila, N., Silveira, J., Leal, R.G., Hu-Furg, Tanuri, A. & Soares, M. a. 2006. *Determinants of HIV-1 mother-to-child transmission in Southern Brazil*. An. Acad. Bras. Cienc. 78:113–21. * All these authors contributed equally to the paper.
12. Costa, L.J., Chen, N., **Santos, A.L.**, Aguiar, R.S., Tanuri, A., Plemenitas, A. & Peterlin, B.M. 2006. *Interactions between Nef and AIP1 proliferate multivesicular bodies and facilitate egress of HIV-1*. Retrovirology doi:10.1186/1742-4690-3-33
13. Vargas, C., **Santos, A.L.** & Hemerly, A. 1999. *Adaptation of the differential display RT-PCR technique to isolate sugarcane genes induced by plant association with endophytic nitrogen-fixing bacteria*. An. Acad. Bras. Cienc. 71:515–20.