Charles De Santana, PhD has an academic background in computer science, multi-disciplinary research interests also focused in computer modeling in ecology, climate change, neurosciences and bioinformatics using concepts of graph theory, complex systems and artificial intelligence. He has also a trajectory in the data science industry, working with data analysis and data visualization in the area of marketing and data-driven-journalism. He is an author of 13 peer-reviewed publications in a diverse range of journals, from Physics to Neuroscience, Ecology and Remote Sensing fields. He founded in 2017 DataSCOUT, a Brazilian start-up focused in Data Science and Scientific Computing, and in 2019 he founded Dadoscope, a Brazilian data-driven-journalism initiative in which he uses data visualization and storytelling to tell journalistic stories.

Gender balance

SCITE currently has a team of 2 males and 3, thus the company is gender balanced. The aim of the SCITE is to keep an international gender balance by attracting female researchers and females interested in communicating science. The good ratio of female/male researchers is a plus for SCITE and we are committed to keep it rising in a close future.

List of relevant publications (Miguel Leal)

1. Vieira, H., Leal, M.C., Calado, R. (2020) Fifty Shades of Blue: How Blue Biotechnology is Shaping the Bioeconomy. Trends in Biotechnology in press doi.org/10.1016/j.tibtech.2020.03.011

2. Ishikawa, A., Kabeya, N., Ikeya, K., Kakioka, R., Cech, J. N., Osada, N., Leal M.C. ... Tezuka, A. (2019). A key metabolic gene for recurrent freshwater colonization and radiation in fishes. Science, 364(6443), 886-889.

3. Leal, M.C., Seehausen, O., Matthews, B. (2017). The ecology and evolution of stoichiometric phenotypes. Trends in ecology evolution, 32(2), 108-117.

4. Best, R.J., Anaya-Rojas, J.M., Leal, M.C., Schmid, D.W., Seehausen, O., Matthews, B. (2017). Transgenerational selection driven by divergent ecological impacts of hybridizing lineages. Nature ecology evolution, 1(11), 1757.

List of relevant publications (Charles De Santana)

1. AN Santana, I Cifre, CN De Santana, P Montoya (2020) Using Deep Learning and Resting-State fMRI to Classify Chronic Pain Conditions. Frontiers in Neuroscience 13, 1313

2. O Hagen, L Vaterlaus, C Albouy, A Brown, F Leugger, RE Onstein, CN De Santana, ... (2019) Mountain building, climate cooling and the richness of cold-adapted plants in the Northern Hemisphere. Journal of Biogeography 46 (8), 1792-1807

3. F Leprieur, P Descombes, T Gaboriau, PF Cowman, V Parravicini, CN De Santana, (2016) Plate tectonics drive tropical reef biodiversity dynamics. Nature Communications 7 (1), 1-8

4. CN De Santana, AF Rozenfeld, PA Marquet, CM Duarte (2013). Topological properties of polar food webs. Marine Ecology progress series 474, 15-26

5. CN De Santana, AS Fontes, MAS Cidreira, RB Almeida, AP González, (2009) Graph theory defining non-local dependency of rainfall in Northeast Brazil. Ecological Complexity 6 (3), 272-277

List of relevant projects (SCITE)

Multiple science dissemination and communication projects coordinated within SCITE: 12 projects in 2017, 33 projects in 2018, 59 projects in 2019, and 28 projects thus far in 2020. Some of SCITE's Clients include: AIR Centre, CERN, Evonik, Lisbon Zoo, Olmix Group, Prince Albert II Foundation of Monaco, Virginia Tech University, Wageningen University, World Aquaculture Society, and others.