



RE

RE

SCO





Background

Prof Jerry is a recognised leader in the application of genetic and genomic solutions for the aquaculture industry and leads one of the largest research teams globally devoted specifically to the application of genetic technologies to improve the productivity of aquaculture species. He has worked in the field of aquaculture genetics for 20 years and managed as Chief Investigator 30+ projects (valued at ~\$24M). He has published 130 peer reviewed scientific articles and served on the editorial boards of Aquaculture Environment Interactions, Agri-Gene and Gene. He has also supervised nearly 100 research students.

monodon, Penaeus japonicus
Pinctada margaritifera
Oreochromis niloticus
ornatus, P. homarus, Cherax quadricarintus, C. destructor

Litopenaeus vannamei, Penaeus
Pinctada maxima,
Lates calcarifer

Panulirus

Areas of expertise

-
-
-
-
-
-
-

Impact of research

-



Background

Associate Professor Jennifer Cobcroft has over 20 years experience in aquaculture, largely focussed on solving challenges in the hatchery production of marine fish species. Her research has spanned larval visual development, tank environmental conditions to optimise feeding, water treatment systems to reduce parasites and pathogens in the hatchery, and finding solutions to skeletal deformities that impact commercially cultured fish. The species studied include yellowtail kingfish, southern bluefin tuna, barramundi (Asian seabass), grouper and Atlantic salmon.

-
-
- &

Impact of research

-
- *Seriola*
- *Kudoa sp.* *Seriola*
- ? ? ? ?

\$

Areas of expertise

-
-
-
-



Dr Jose Domingos

Senior Research Fellow
James Cook University (Singapore)

Background

Dr Jose Domingos' research focuses on the development of efficient breeding programs for tropical aquaculture species. This involves the understanding and manipulation of endogenous and environmental factors affecting gonadal development and broodstock conditioning within appropriate maturation systems for reliable spawnings.

-

-

-

Top five publications

-

-

calcarifer

Lates

-

Lates calcarifer

-

-

Areas of expertise

-

-

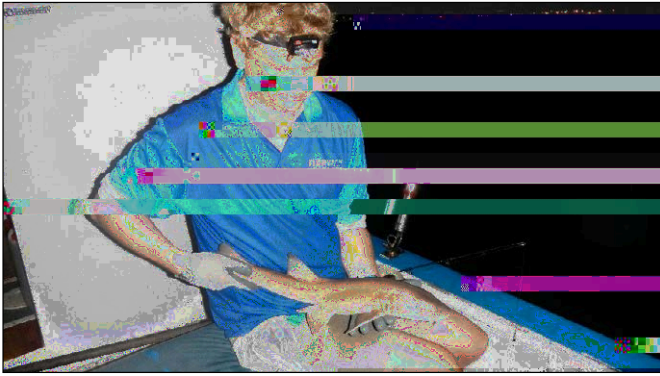
-

-

-

Impact of research

-



Background

Dr Neil Hutchinson has worked as a marine ecologist for over 18 years, predominantly in the Asia-Pacific region. He has experience in a diverse range of fisheries related projects examining environmental impacts such as climate change and habitat destruction, and developing understanding of how they affect fisheries and aquaculture species. His research has traversed a variety of taxonomic groups including fish, invertebrates and algae, examining the processes governing their natural distribution patterns and abundance.

Areas of expertise

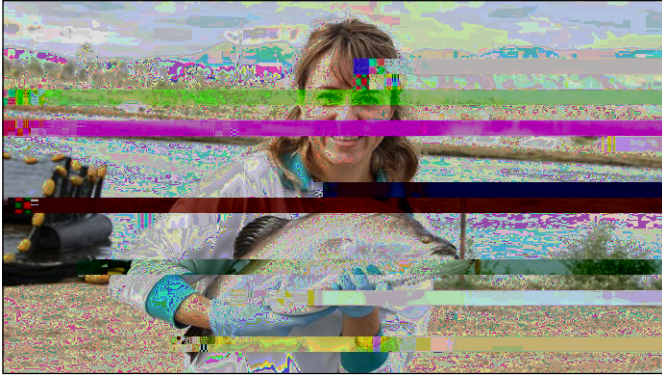
-
-
-
-
-
-

Top five publications

-

Impact of research

-
-
-



Background

Dr Gomes is an aquaculture veterinarian researcher with 14 years of experience in aquatic animal health acquired across a range of academic, governmental and industry employment in Brazil and Australia. Giana's research has a strong focus on the development and adoption of new technologies to improve disease prevention, management and biosecurity in aquaculture. Giana joined James Cook University in Singapore as a lecturer in aquaculture in 2018. Currently, Giana's R&D focus is on early identification of disease within aquaculture farms using environmental DNA (eDNA) techniques and water quality monitoring (environmental sensing) associated with microbiome investigation.

Areas of expertise

-
-
-
-
-
-
-

Aquaculture teaching programs at James Cook University

JCU's teaching programs in aquaculture have been designed to deliver the knowledge and skills required in the next generation of global leaders in aquatic food production and resource management.

Graduate Certificate of Research Methods (Tropical Environments and Societies) and Graduate Diploma of Research Methods (Tropical Environments and Societies)

Bachelor of Business and Environmental Science (Majoring in Aquaculture)

Doctor of Philosophy (PhD) and Master of Philosophy

For further information on our courses, email admissions-singapore@jcu.edu.au or visit www.jcu.edu.sg

