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Bruno was trained as a developmental biologist in the HHMI lab of Prof. De Robertis at UCLA. After his PhD in 2008, he was awarded the inaugural A*STAR investigatorship and set up his team at the Institute of Medical Biology in Singapore. There, he switched to human genetics, placing emphasis on monogenic, fully penetrant and unique genetic traits as a means to understand complex and common diseases.

Combining the power of deep sequencing, patient-derived iPSCs and animal modelling in zebrafish, Xenopus and mice, his team has resolved numerous human disorders affecting embryogenesis, metabolism, ageing, cognition and familial cancers.

Bruno is a Professor and Research Director at A*STAR in Singapore, an adjunct Professor of Paediatrics at NUS, a fellow of the Branco Weiss Foundation in Switzerland, the first EMBO Young Investigator based outside Europe and a distinguished Professor of Genetics at AMC/VUmc in Amsterdam, Netherlands and Koç University in Istanbul, Turkey.