New work by researchers at the University of Naples Federico II and the University of Bristol just published in the prestigious international journal Nature Communications, presents a novel type of “tunable” biological part that may hold the key to solving this problem and take us a step closer to reliable and robust reprogrammed cells with numerous applications in biotechnology, industry and therapeutics. The research involved the collaboration of Prof Mario di Bernardo from the Department of Electrical and ICT Engineering of the University of Naples Federico II with Dr Thomas Gorochowski and his group at the University of Bristol in the UK, within the international cooperation agreement between the two Universities. The work was developed within the context of the European Project COSY-BIO coordinated by the Telethon Institute for Genetics and Medicine.

Bartoli V., Meaker G.A., di Bernardo M & Gorochowski T.E. (2020) “[Tunable genetic devices through simultaneous control of transcription and translation](https://doi.org/10.1038/s41467-020-15653-7)”, *Nature Communications*. (DOI: 10.1038/s41467-020-15653-7)