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Área de conocimiento: Biotecnologia

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Formación Académica

- Llicenciat en Ciències, Universitat de Londres, Chelsea College, UK, 1977
- Doctorat, Universitat de Londres, University College, UK, 1980

Experiencia Profesional

- 2004-actualidad, Investigador ICREA, Universitat de Lleida
- 2001-2004, Profesor, Fraunhofer Institute of Molecular Biotechnology and Applied Ecology, Schmallenberg, Aachen, Alemania
- 1998 – 1994, Profesor i Responsable de l'Unitat de Biotecnología, John Innes Centre, UK

Investigación

- Biotecnologia aplicada a la obtención de cereales resistentes al estrés abiótico como sequía y salinidad.

Docencia

- TECNOLOGIES GENÈTIQUES, GENÒMIQUES I DEMàster Universitari en Millora Genètica Vegetal (2012-2013)



Publicaciones Recientes

Capell T, Twyman RM, Armario-Najera V, Ma JKC, Schillberg S, **Christou P** (2020) Potential applications of plant biotechnology against SARSCoV-2. *Trends in Plant Science*, <https://doi.org/10.1016/j.tplants.2020.04.009>.

Moreno JA, Díaz-Gómez J, Fuentes-Font L, Angulo E, Gosálvez LF, Sandmann G, Portero-Otin M, Capell T, Zhu C, **Christou P**, Nogareda C (2020) Poultry diets containing (keto)carotenoid-enriched maize improve egg yolk color and maintain quality *Animal Feed Science and Technology* 206:114334-114344

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Vamvaka E, Farré G, Molinos-Albert LM, Evans A, Canela-Xandri A, Twyman RM, Carrillo J, ordoñez RA, Shattock R, O'Keefe BR, Clotet B, Blanco J, Khush GS, **Christou P**, Capell T (2018) Unexpected synergistic HIV neutralization by a trile microbicide produced in rice endosperm. *Proc Natl Acad Sci of USA* 115: E7854-E7862

Pérez L, E Soto, G. Villorbina, L Bassie, V Medina, P Muñoz, T Capell, C Zhu, **P Christou**, G Farré (2018) CRISPR/Cas9-induced monoallelic mutations in the cytosolic AGPase large subunit gene *APL2* induce the ectopic expression of *APL2* and the corresponding small subunit gene *APS2b* in rice leaves *Transgenic Research* 27: 423-439

Berman U, Zorrilla-Lopez U, Sandmann G, Capell T, **Christou P**, Zhu C (2017) The silencing of carotenoid B-hydroxylases by RNA interference in different maize genetic backgrounds increases the b-carotene content of the endosperm. *International Journal of Molecular Sciences* 18:2515

Díaz-Gómez J, J.A. Moreno, E. Angulo, G. Sandmann, C. Zhu, AJ Ramos, T. Capell, **P. Christou**, Nogareda C (2017) High-carotenoid biofortified maize is an alternative to color additives in poultry feed *Journal: Animal Feed Science and Technology* 231:38-46

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Zanga D, Capell T, Slafer GA, **Christou P**, Savin R (2016) A carotenogenic mini-pathway introduced into white corn does not affect development or agronomic performance *Scientific Reports* 6: 38288

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