



Simposio Internacional: Biointeractómica

International Symposium: Biointeractomics

Sevilla, 30 y 31 de octubre de 2012

Sevilla, October 30-31, 2012

Protein interactions in the chloroplast

Klaas J. van Wijk

In my talk, I will discuss the protein interactome of the chloroplasts of higher plants using biochemical separation methods, combined with large scale protein quantification by label-free mass spectrometry. In addition, I will discuss the protein interactions of the chloroplast Clp protease system, involving a tetradecameric core with 9 different Clp gene products and two additional peripheral subunits. Through combined in-vivo tagging, affinity purification and QConCat technology, we determined the absolute subunit stoichiometry of the two heptameric rings that make up the tetradecameric core complex. Implications for Clp protease structure and function are discussed.

**Todos los derechos de propiedad intelectual son del autor. Queda prohibida la reproducción total o parcial de la obra sin autorización expresa del autor.*

© FUNDACIÓN RAMÓN ARECES. Todos los derechos reservados.

**All intellectual property rights belong to the author. Total or partial reproduction of the work without express permission of the author is forbidden.*

© FUNDACIÓN RAMÓN ARECES. All rights reserved.