# Article information:

HSP90s are required for NLR immune receptor accumulation in Arabidopsis - Huang - 2014 - The Plant Journal - Wiley Online Library  
<https://onlinelibrary.wiley.com/doi/10.1111/tpj.12573>

# Article summary:

1. Plants use NLR-type resistance proteins to protect themselves against diseases caused by pests.

2. HSP90s are molecular chaperones that help facilitate proper folding and/or maturation of client proteins, and are involved in the activation and stabilization of over 200 client proteins in mammalian cells.

3. In Arabidopsis, HSP90s play diverse roles in plant biology, including immunity, light signaling, chloroplast biology and general growth and development.

# Article rating:

Appears well balanced: The article presents the information in a reliable and balanced way, without biases and prejudices. The claims made in the article are well supported and, where applicable, all sides of the argument are given opportunity to present their point of view. The article appears trustworthy and reliable.

# Article analysis:

The article is generally reliable and trustworthy as it provides a comprehensive overview of the role of HSP90s in plant biology, particularly their involvement in NLR-type resistance proteins for protection against diseases caused by pests. The article is well-researched with multiple references to support its claims, such as Chisholm et al., 2006; Jones and Dangl, 2006; Dangl et al., 2013; Maekawa et al., 2011; Ausubel, 2005; Zhao et al., 2005; Wandinger et al., 2008; Makhnevych and Houry, 2012; Hubert et al., 2009; Krishna and Gloor, 2001; Hubert et al., 2003; Shirasu, 2009; Kadota and Shirasu, 2012; Mayor et al., 2007; Takahashi et al., 2003; Liu et al., 2004; Zhang et al., 2004; de la Fuente van Bentem et al., 2005 ; Muskett et al., 2002 ; Bieri et al., 2004 ; Lu et al., 2003 ; Botër et al., 2007 ; Holt et al., 2005 ; Van Ooijen et al., 2010 ; Azevedo et al

# Topics for further research:

* HSP90s and NLR-type resistance proteins
* Plant disease protection mechanisms
* Role of HSP90s in plant biology
* Plant-pathogen interactions
* HSP90s and plant immunity
* HSP90s and plant stress responses

# Report location:

<https://www.fullpicture.app/item/918f4304985121c3333ff988bac1ce58>