

## Max-CROP

### Max-imising the potential of CROP researchers

Start date 1<sup>st</sup> January 2014

European Framework 7 European Industrial Doctorate PhD training programme

This four year programme is a partnership between NIAB Trading Ltd and the University of Wageningen, The Netherlands



WAGENINGEN UR  
For quality of life

Max-CROP supports the attainment of a PhD for five early career stage researchers in areas of science that impact on crop production.

Max-CROP aims to maximise the potential of the next-generation of crop researchers, producing individuals that understand the problems facing the agricultural industry, including crop breeding, agronomy and production, but able to apply advanced scientific understanding and modern technologies to solve these problems.

Max-CROP will make careers in agriculture an attractive choice for a new generation of researchers, opening up new opportunities and improving career prospects.

#### **The five PhD projects and students are:**

**Project (1):** Would non-host resistance in barley prove a source of durable, race-nonspecific resistance for wheat?

Student: Mathilde Daniau

**Project (2):** Development of wheat varieties with reduced gluten toxicity, increasing safety for celiac disease patients

Student: Aurelie Jouanin

**Project (3):** Application of a Multiparent Advanced Generation Intercross (MAGIC) in wheat genetics and breeding

*This project was suspended in December 2016.*

**Project (4):** Population and pathogenicity dynamics of the *Brassica* pathogen *Verticillium longisporum*

Student: Jasper Depotter

**Project (5):** Emerging plant diseases: reducing the impact of *Alternaria* species on potato production

Student: Ioannis Baltzakis

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