

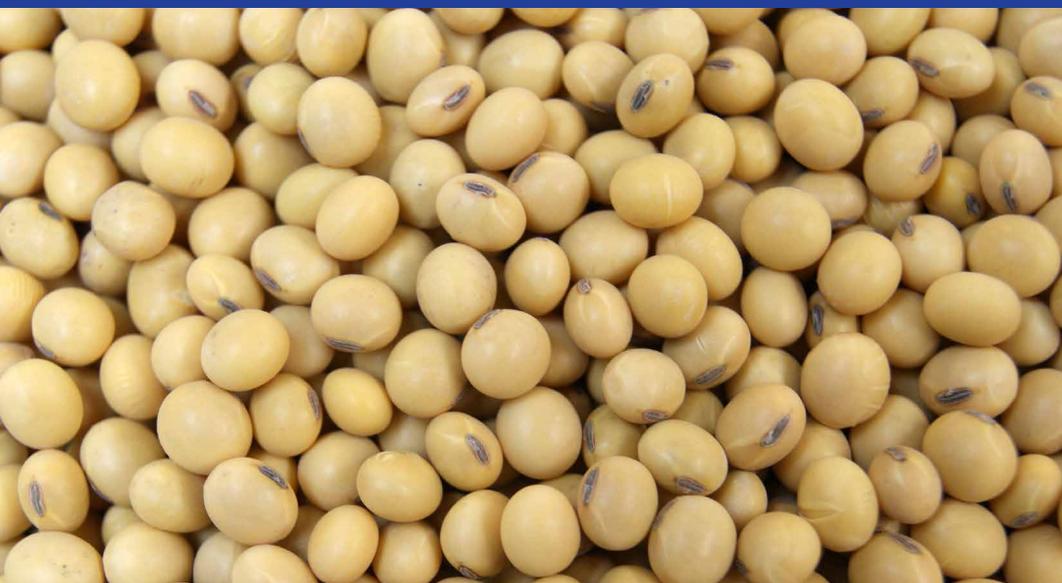
# Public Lecture by Professor Henry Nguyen

Tuesday, 14 November 2017 @ 5.00pm  
Bayliss Lecture Theatre G:33, UWA



THE UNIVERSITY OF  
**WESTERN  
AUSTRALIA**

The UWA Institute of Agriculture



## Legume improvement for sustainable food production and human health

More foods are required to feed the growing populations under limited natural resources and environmental stress intensified by the current and future climate changes. In a recent *Nature Plants* perspective article, we have called to the attention of the international community and decision makers towards 'Neglecting legumes has compromised human health and sustainable food production.'

Grain legumes are major resources of human food and animal feed with their unique nutrient compositions including oil, protein, carbohydrates, and other beneficial nutrients. Frequent climatic changes and the depleted soil nutrition are the major factors affecting the legume crop production, especially in the developing and under-developed countries.

Robust genetic resources for important grain legumes are available worldwide. Investigation of the natural genetic variation for major traits associated with stress tolerance and yield will help to achieve higher genetic gains.

This presentation will highlight the importance of grain legumes in sustainable agriculture and human health. Recent advances in the development of genomic resources and breeding for improving stress tolerance, adaptation to different climatic conditions, yield and nutritional quality in legume crops will be discussed.

### About Professor Nguyen

Professor Henry Nguyen is Curators' Distinguished Professor of Plant Genetics and Endowed Chair in Soybean Genomics and Biotechnology at the University of Missouri and holds an adjunct professorship at the UWA.

He has a distinguished career in plant genetics and biotechnology and is internationally recognised for his research in plant adaptation to stress environments.

His research team conducts genetic analysis of major traits and applies molecular marker technology to soybean and legume crop improvement.

Dr Nguyen has gained recognition through

many awards such as the National Science Foundation's Presidential Young Investigator Award and the Young Crop Scientist Award. He was elected as Fellow of the Crop Science Society of America, Fellow of the American Society of Agronomy, and Fellow of the American Association for the Advancement of Science.

He coordinates a large-scale soybean genome sequencing project aimed toward the development of next generation genomics-assisted trait discovery and breeding strategies.

### Event Details:

**Date:** Tuesday, 14 November 2017

**Time:** 5.00pm - 6.00pm

**Venue:** Bayliss Lecture Theatre  
The University of WA  
Crawley 6009

**RSVP:** to [ioa.uwa.edu.au/events/register](http://ioa.uwa.edu.au/events/register)

**Contact:** 6488 4717 | [ioa@uwa.edu.au](mailto:ioa@uwa.edu.au)