

1. **Name** : Clarissa Challam
 2. **Designation** : Scientist (Agricultural Biotechnology)
 3. **Contact Details**
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 Shillong
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4. **Academic Background** :

Degree	Year	Name of University/Board
M.Sc. (Agri.)	2011	Central Agricultural University
B.Sc. (Agri.)	2009	Nagaland University
H.S.L.C	2004	Meghalaya Board of School Education
S.S.L.C	2002	Meghalaya Board of School Education

5. **Area of Research:** functional genomics, breeding for late blight resistance.

6. **Current Institute Projects** :

- i. Genetic enhancement of potato through molecular and genomic tools.
- ii. Breeding to evolve trait specific varieties for resistance to biotic and abiotic stresses, productivity, quality and adaptability
- iii. Seed potato production through aeroponics and augmenting micro-propagation potential of potato cultivars in hills.

7. **Externally funded Projects** : Nil

8. **Award's/Honours** :

RGNF fellowship to pursue Ph.D (2012-2014) at Tamil Nadu Agricultural Univ.

9. **Publications** :

C Challam, GA Kharshing, JS Yumnam, M Rai, W Tyagi (2013). Association of qLTG3-1 with germination stage cold tolerance in diverse rice germplasm from the Indian subcontinent. *Plant Genetic Resources* 11 (03), 206-211

C Challam, T Ghosh, M Rai, W Tyagi (2015). Allele mining across DREB1A and DREB1B in diverse rice genotypes suggests a highly conserved pathway inducible by low temperature. *Journal of Genetics* 94 (2), 231-238

T Ghosh, M Rai, W Tyagi, **C Challam** (2016). Seedling stage low temperature response in tolerant and susceptible rice genotypes suggests role of relative water content and members of OsSNAC gene family. *Plant signaling & behavior*.

10. **Professional Affiliations** : Nil

11. **Foreign Exposure** : Nil