

### **Postdoctoral Researcher**

**Salary:** £31,625 - £38,575 depending on qualifications and experience.  
**Contract:** 23 months, full-time  
**Location:** John Innes Centre, Norwich, UK.  
**Closing date:** 15 July 2020  
**Reference:** 1003900

An exciting opportunity has arisen for a Postdoctoral Researcher to join the Philip Carella Group at the John Innes Centre, working on cutting-edge science in the field of Evolutionary Plant-Microbe Interactions.

#### **About the John Innes Centre:**

The John Innes Centre is an independent, international centre of excellence in plant science, genetics and microbiology. We nurture a creative, curiosity led approach to answering fundamental questions in bioscience, and translate that knowledge into societal benefits.

Our employees enjoy access to [state-of-the-art technology](#) and a diverse range of specialist training opportunities, including support for leadership and management. [Click here to find out more about working at the John Innes Centre.](#)

#### **About the Carella Group:**

We are establishing a curious, enthusiastic, and innovative team that will explore the diversity of defence responses that evolved to protect land plants from pathogen infection. Using comparative macroevolutionary and molecular genetic approaches, our group explores widely-conserved and lineage-specific aspects of plant defence that will inform future efforts to protect plants from harmful pathogens.

#### **The role:**

Working as part of a team led by Philip Carella, you will perform key experiments aimed at identifying core principles underpinning host-pathogen interactions shared across land plants using distantly-related models like the liverwort *Marchantia polymorpha* and the angiosperm *Arabidopsis thaliana*.

This diverse role will provide you with a broad range of stimulating activities, including:

- Accelerated genetic analysis of disease resistance in model liverworts
- Macroevolutionary comparisons of infection processes across land plants
- Examination of convergent virulence mechanisms in various phytopathogens

In this role, you will have the opportunity to develop your skills in plant-microbe interactions and evolution. You will also work with world leading scientists who are experts in their field.

#### **The ideal candidate:**

You will have a PhD in Molecular Biology or a related field. You will have in-depth knowledge of organismal biology or host-microbe interactions and demonstrable experience in molecular biology/microbiology.

**Additional information:**

For further information and details of how to apply, please visit our web site <http://jobs.jic.ac.uk> or contact the Human Resources team on 01603 450462 or [nbi.recruitment@nbi.ac.uk](mailto:nbi.recruitment@nbi.ac.uk) quoting reference 1003900.

We are an equal opportunities employer, actively supporting inclusivity and diversity. As a Disability Confident organisation, we guarantee to offer an interview to all disabled applicants who meet the essential criteria for this vacancy. We are proud to hold a prestigious Gold Athena SWAN award in recognition of our inclusive culture, commitment and good practices towards advancing of gender equality. We offer an exciting, stimulating, diverse research environment and actively promote a family friendly workplace. The Institute is also a member of Stonewall's Diversity Champions programme.

*The John Innes Centre is a registered charity (No. 223852) grant-aided by the Biotechnology and Biological Sciences Research Council.*