Genome duplication, gene flow, and adaptation at the John Innes Centre

We seek big-question-oriented postdocs to join us to work on fundamental problems in evolutionary genomics. We offer a highly interdisciplinary environment with remarkable institutional support and robust grant funding. Two ERC grants have just been won by the Yant lab and our very close collaborators, the Bomblies lab (also at JIC). This greatly enhances an ambitious programme in evolutionary genomics in Norwich. Additionally, we have many collaborations with diverse European groups, offering you outstanding potential for professional development.

Current projects have an explicitly phenotype-first orientation, aiming to determine the genetic basis and evolutionary repeatability of adaptation to intense, quantifiable selection pressures, both environmental and intracellular. We do this by applying large-scale population genomics to wild plant populations that have evolved to overcome demonstrable hazards. We currently focus on adaptation to genome duplication as well as adaptation to highly challenging, quantifiable environmental stressors in species ranging from *Arabidopsis arenosa*, to *Chamerion angustifolium*, to *Mimulus guttatus* and back throughout the Brassicaceae to *A. lyrata* and *A. thaliana*. See http://yant.jic.ac.uk for more. We strongly encourage applicants to suggest project ideas that harmonize with these general aims and we are fully committed to helping successful applicants develop their ideas for the eventual formation their own independent research groups.

Applicants with evolutionary genetic, computational, or molecular interests in adaptation are encouraged to apply. We seek candidates with initiative, mature analytical skills, and a drive to push forward on new problems in evolutionary genomics. Successful candidates will perform independent, novel analyses and will have demonstrated clear innovation during or following their PhD. To begin a meaningful conversation, we ask that you include a cover letter and a statement that indicates which research topics you are particularly interested in, and why your qualifications make you a good fit with our research.

For further information and details of how to apply, please visit our web site, http://jobs.jic.ac.uk/Details.asp?vacancyID=11465. As a user of the disability symbol, we guarantee to interview all disabled applicants who meet the minimum essential criteria for this vacancy. Early application is encouraged, but the deadline for application is 10 May 2016.

Essential Skills:

Demonstrated clear innovation during or following your PhD.
Excellent communications skills.
Good interpersonal skills and ability to work with diverse team members.
A cover letter and a statement that indicates which research topics you are particularly interested in, and why your qualifications make you a good fit with our research.

Levi Yant (levi.yant@jic.ac.uk)
Project Leader, John Innes Centre

John Innes Centre
Unlocking Nature's Diversity