

Grant-supported Postdoc position open in [Anurag Agrawal's lab](#) at Cornell University. The successful candidate will conduct comparative and experimental studies on transcriptomic responses to insect diet and toxins, utilizing the milkweed-insect community as a model for hypothesis testing in molecular evolution. We will use methods such as RNA-seq to identify genes and regulatory sequences that drive plant toxin detoxification, transport, and resistance, and potentially assess candidate functions using CRISPR and transgenic approaches.

This is a full-time research position, with the Postdoc playing a leading role in conducting experimental, computational, and comparative work to understand how changes in gene expression underlie insect diet specialization and sequestration. They are expected to have experience in both computational and bench approaches, including bioinformatics and RNA-seq. The individual will work independently, but will also contribute to intellectual interactions within the lab, and potentially with collaborators. The applicant must have a PhD or equivalent in the biological sciences and experience in molecular genetic techniques, including high throughput sequencing and data analysis. Strong research background with comparative evolutionary questions, insect herbivores, and natural history is desired.

Please apply via [Academic Jobs Online](#). Qualified candidates should submit a short cover letter, curriculum vitae, and contact information for three references via the website. The cover letter should directly address the position requirements as well as the candidate's experience related to the desired background. Applications will be reviewed immediately and continuing until a suitable applicant is identified.

Anurag Agrawal

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