



**Integrated Plant Protection Center**  
Oregon State University  
2040 Cordley Hall  
Corvallis, Oregon 97331

## **Job Announcement**

Position Title: Research Associate (Post Doc)

Appointment Type: Academic Teaching/Research Faculty

Job Location: Corvallis

Position Appointment: 1.0 FTE

Appointment Basis: 12 months, with possibility of extension

Faculty Status: Regular

Tenure Status: Fixed Term

Recommended Full-Time Salary Range: \$43,000 - \$48,000

Position Summary:

The Integrated Plant Protection Center (IPPC) invites applications for a full-time (1.0 FTE), 12-month, fixed-term Research Associate (Post Doc) position. Reappointment is at the discretion of the Director.

Integrated Plant Protection Center (IPPC) helps farmers adapt to an increasingly uncertain world through high impact science and education partnerships. IPPC works regionally, nationally, and internationally in education regarding pesticide safety, pesticide risk management, weather based decision tools, and pollinator protection.

This position will research and construct spatial phenology, population, and climate suitability models of invasive and established pest insects to inform survey and management programs supported by USDA APHIS PPQ (Plant Protection and Quarantine). Main focus areas include building software modeling infrastructure (using the R programming language), literature review and analysis to parameterize life history, and climatic responses of several (3-8) invasive and pest insects. The position will be responsible for working within a team, building and implementing models, improving and supporting the modeling infrastructure, performing analysis of insect life histories, working with spatial climate data, comparing model results with validation data, and writing and editing reports and peer-reviewed publications. The work may include travel to regional or national meetings, but field work is not required. The position includes the possibility of direct stakeholder engagement and support at workshops and other events.

Position Duties:

- 65% Perform literature reviews, programming modeling infrastructure, perform life history analysis and modeling the phenology and climate suitability of pests.
- 25% Write and communicate verbally, in written reports, publications, and other scholarly outputs.
- 10% Advance personal knowledge and skills in insect population modeling and invasive species risk management.

Decision Making: This position involves independent work and decision-making related to data gathering, analysis, programming, and communication research.

#### Minimum Qualifications: Employment Eligibility Requirements

- Doctoral degree in Ecology, Entomology, Plant Pathology, or related field.
- Work experience and demonstrated ability in carrying out independent research that includes data and statistical analysis, modeling, and programming in R, Perl, Python, C, or a related language.
- Demonstrated ability to gather, analyze, interpret, and present data and research ideas clearly in R, Microsoft PowerPoint, Word, Excel, and other forms.
- Excellent written and oral communication skills.
- Must be able to work independently and as part of a team. Strong drive to learn and think creatively.
- Demonstrated ability in writing and publishing papers in peer-reviewed scientific journals.
- A demonstrable commitment to promoting and enhancing diversity.

#### Preferred Qualifications:

- Experience in modeling life history of insect populations or related organisms or related ecological processes.
- Experience in computer programming and statistical analysis using R or similar language.
- Spatial or GIS based analysis using climate data. Experience with species distribution models including CLIMEX, Bioclim, and MaxEnt also desirable.

#### Working Conditions/Work Schedule:

- Location is in Corvallis, OR. This position primarily involves office work. Occasional field and or laboratory work may be requested but not required.

#### Benefits:

OSU and IPPC are dedicated to providing work-life balance and professional development opportunities. OSU provides:

- Comprehensive medical, dental, vision, and life insurance benefits
- Retirement plan options, including 6%-of-salary contribution made by OSU
- Possible 24 vacation days/year
- Possible 12 sick leave days/year
- Opportunities to attend professional conferences and training workshops

Additionally, this position is eligible for faculty rates at OSU facilities, including Dixon Recreation Center/gym, the OSU Craft Center, and other events.

Oregon is known for amazing outdoor recreation, and the state (and Corvallis) are also quickly growing as technology hubs. OSU is centrally located 1 ½ hours south of Portland.

Details on these and other benefits can be found at: <http://hr.oregonstate.edu>

Anticipated appointment begin date: September 3, 2018

Applications should include the following materials:

- A Current resume or CV detailing experience
- A cover letter addressing minimum qualifications, preferred qualifications, interest in the position, and commitment to diversity and inclusion
- Copies of academic transcripts
- Names and contact information for at least 3 references

Please complete the application online at: <https://jobs.oregonstate.edu/postings/63533>

Application deadline is: August 12, 2018

Questions? Please contact Len Coop at: [coopl@science.oregonstate.edu](mailto:coopl@science.oregonstate.edu)

OSU commits to inclusive excellence by advancing equity and diversity in all that we do. We are an affirmative Action/Equal Opportunity employer, and particularly encourage applications from members of historically underrepresented racial/ethnic groups, women, individuals with disabilities, veterans, LGBTQ community members, and others who demonstrate the ability to help us achieve our vision of a diverse and inclusive community.