Department: Biochemistry and Biophysics, Dr. Maria Clara Franco
Position percentage: 100%
Appointment Basis: 12 Months
Location: Corvallis, Oregon
Anticipated Appointment Begin Date: 2/1/2020
Anticipated Appointment End Date: 2021, possibility of yearly renewal
Posting Date: 10/31/19
Full Consideration Date: 1/1/2019 or until position filled

POSITION DESCRIPTION
Department of Biochemistry and Biophysics, Oregon State University

Job title: Postdoctoral Researcher.

Position title: Postdoctoral scholar (postdoc)

A postdoctoral position is open to work on the role of oxidatively modified proteins in tumor cell metabolic reprogramming, proliferation and invasion. We are a new, vibrant research group working on multiple projects including protein structure and function, cell signaling and metabolic pathways, animal models of disease, and drug screening. We aim to identify novel oxidized targets that regulate tumor metabolic reprogramming and growth, and that are present in tumors but not in normal tissue. Our goal is to exploit these targets for the development of new, tumor-directed therapeutic approaches.

The appointee will work with Dr. Maria Clara Franco (Department of Biochemistry and Biophysics). The position will be renewed on a yearly basis. The successful candidate will be appointed as a postdoctoral scholar.

Responsibilities:
• Maintain mammalian cell lines
• Grow cell cultures from tumor specimens
• Work with mouse models of human disorders
• Take the initiative in finding solutions to scientific problems that arise in day-to-day research.
• Collegially and professionally engage in collaborative work with peers with the aim to achieve the above objectives.
• Present original research at scientific meetings.
• Publish the research results in peer-reviewed high-impact scientific journals.

Minimum Qualifications for a Postdoctoral Scholar include:
• PhD in Biochemistry, Cell Biology, Biomedical Science or related field.
• Demonstrated creativity, independence, high motivation, and good communication skills, both orally and written.
• Strong work habits and the ability to work independently as well as with research group.

Preferences:
• Experience in CRISPR methodology
• Experience working with animal models (rodents)
• Experience in cell culture
• Experience in microscopy and immunofluorescence methodologies
• Experience in basic molecular biology methodologies: western blot analysis, qPCR
• Experience in writing and developing publications based on individual research.