

Notice of Vacancy
Postdoctoral Research Associate
Kirchhoff Laboratory
Institute of Biological Chemistry
Washington State University,
Pullman, WA, USA

The Kirchhoff lab is seeking to appoint a Research Associate (PostDoc) in the renowned Institute of Biological Chemistry (<https://ibc.wsu.edu>) at Washington State University, Pullman, WA, USA to undertake microscopic, biochemical, and biophysical studies on photosynthetic organisms. The project is funded by the US Department of Energy and targets to unravel molecular factors that control ultrastructural dynamics in photosynthetic thylakoid membranes in plants. Our lab has an internationally strong reputation in uncovering design principles of photosynthetic membranes. We combine advanced structural (microscopic) and spectroscopic techniques with biochemical assays and computer modeling to obtain a detailed picture of the photosynthetic apparatus that ranges from single molecules (nanometer level) to whole membranes (micrometer level). Special emphasis is given to dynamic aspects because the flexibility of the energy converting machinery is the key for plants to thrive and survive in a complex and highly fluctuating environment. We are looking for a highly motivated candidate that fits into an international team with interest in unraveling basic principles of photosynthetic energy transformation.

Applicants for the position should possess a Ph.D. in plant biochemistry or a related discipline. Candidates should have experience in microscopy (if possible electron microscopy), protein biochemical methods (gel electrophoresis, Western Blotting, membrane/protein purification), and in fluorescence and absorption spectroscopy. Expertise in the one or more of the following areas would also be viewed as favorable: photosynthesis, plant stress physiology, structural biology, protein modeling, and working with membrane proteins. For more information about life in Pullman, please visit: <http://www.pullmanchamber.com>.

The position is available from summer 2019 on for initially two years with the possibility of extension. Applications, including a detailed CV and the names and addresses of three references (one of whom must be your current or most recent employer) should be sent to: kirchhh@wsu.edu.