

Career Lookout

Bachelor's Degree Required

Research Lab Specialist Assoc - University of Michigan

http://umjobs.org/job_detail/93983/research_lab_specialist_assoc

The prospective Research Associate will work on a multi-disciplinary systems biology research project (The Virtual Physiological Rat Project) in the Biotechnology and Bioengineering Center to help in the development of multi-scale computational models and associated software tools for analyzing the behavior of complex metabolic and cardiovascular systems in different diseased rat strains. Specifically, based on existing open-source packages for physiological and cellular model simulation (OpenCell, JSim, Open-CMISS, CellML), the prospective Research Associate will be involved in the development of a software package that simulates the integrated operation of the cardiovascular, heart, renal, and whole-body solute transport and energy metabolism models for the analysis of complex disease states.

Education Programs Assistant - American Institute of Physics

jobs.spsnational.org/jobs/6088967/education-programs-assistant

Society of Physics Students (SPS), in the American Institute of Physics Division of Education is seeking an Education Programs Assistant who will be responsible for the implementation of a variety of SPS and Sigma Pi Sigma programs. The Education Programs Assistant will work under the supervision of the Programs Manager to carry out innovative programs and revise existing programs including scholarships and awards programs for the undergraduate physics community; as well as assist with the SPS Summer internship program. The assistant will perform initial evaluation of all applications for student and chapter programs as well as process all awards and scholarships. They will also compile, review and draft documents for SPS publications, including web and social media. The successful candidate will work closely with the communications team to develop effective marketing strategies..

Scientific Software Developer - SESDA

<https://www.sesda3.com/careers/ap044-scientific-software-developer/>

Scientific software developer with 1-3 years experience sought to support X-ray mission calibration software development at Goddard Space Flight Center (GSFC). Background in astrophysics or particle/nuclear/atomic physics required. The chosen candidates will work with a team to maintain and develop applications to perform various steps to process low level data to produce standardized higher level data products such as spectra, light curves and images.

Test Engineer - SESDA

<https://www.sesda3.com/careers/ss076-test-engineer/>

ADNET Systems Inc. has an opening for a full-time Instrument Engineer in the Planetary Environments Laboratory to support the Sample Analysis at Mars (SAM) project. Duties will include testing the SAM Test Bed instrument suite, analyzing the results, and writing software scripts to perform additional tests. The candidate will also be responsible for the calibration of vacuum gauges and the testing and characterization of various research and flight project instrumentation.

Research Associate: Research and Development - Millennium Laboratories

https://ml-openhire.silkroad.com/e postings/index.cfm?fuseaction=app.dspjob&jobid=507&company_id=16891

Millennium Laboratories is the leading research-based clinical diagnostic company dedicated to improving the lives of people suffering from pain and/or addiction. We provide healthcare professionals with the medication monitoring and drug detection services, clinical tools, scientific data and education helping to personalize treatment plans to improve clinical outcomes and patient safety.

We provide customized drug testing services for healthcare professionals to help them to mitigate the abuse and misuse of prescription drugs. We are growing and continually looking for exceptional, talented people to join our family. Each one of our employees possesses a strong entrepreneurial spirit and a drive to improve the lives of those suffering from pain and addiction. To maintain our leadership, we need driven and creative individuals.

News Intern - American Institute of Physics

<http://jobs.spsnational.org/jobs/6050893/news-intern>

The American Institute of Physics is offering a paid internship opportunity under the direction of the News & Media Services team. This position is expected to last for twelve weeks. The successful candidate will be responsible for researching, writing and editing content for the Inside Science line of news products which include Inside Science News Service (AP-style wire service for science news), Inside Science Currents (blog) and the online content for the Inside Science TV website. Course credit for internship requirement will be certified where applicable. Our office is located close to College Park Metro and University of Maryland, College Park.

Master's or PhD Required

Associate Research Physicist - Princeton

https://jobs.princeton.edu/applicants/jsp/shared/position/JobDetails_css.jsp?postingId=201467

The successful candidate will develop theory and/or simulation capabilities pertaining to understanding, avoidance, and mitigating disruptions in tokamaks. The successful candidate will be actively involved in the development of theory and simulation capabilities needed for understanding, avoidance, and mitigating disruptions in tokamaks. These capabilities include the understanding and avoidance of MHD instabilities that cause disruptions, the generation of runaway electrons and the stability of runaway electron beams, and the understanding and control of current and thermal quench. The candidate will be expected to lead modeling efforts utilizing analytical tools and computer simulation codes. The tokamak configurations that the candidate will be expected to investigate could include NSTX-U, DIII-D, JET, and ITER.

Analytical Scientist

[https://www.careers.wisconsin.edu \(Job ID 9606\)](https://www.careers.wisconsin.edu (Job ID 9606))

The scientist will help manage instrumentation associated with the Materials Science Center, an interdisciplinary analytical facility that incorporates an array of state-of-the-art instrumentation specializing in materials characterization and surface science. The scientist will be involved in all aspects of technique development, instrument repair and maintenance, sample preparation and other aspects of running a professional laboratory. Responsible for managing and operating the High Resolution Inductively Coupled Plasma-Mass Spectrometer (HR-ICPMS) facility, including technique development. Will provide support for collaboration with industry, K-12 educational institutions, and lab support for the Materials Science major.

Assistant Scientist - Argonne National Laboratory

http://www.anl.gov/careers/apply-job/external-applicants?cpUrl=http://careers.peopleclick.com/careerscp/client_argonnelab/external/en_US/gateway.do?functionName=viewFromLink&localeCode=en-us&jobPostId=1351

Carries out condensed matter theory and computation on charge and spin transport properties of nanoscale materials and devices. Provides innovative and meticulous user support for modeling and/or computation in the area of nanoscience. Collaborates effectively with others.

Assistant Scientist, Nanoscience - Argonne National Laboratory

http://www.anl.gov/careers/apply-job/external-applicants?cpUrl=http://careers.peopleclick.com/careerscp/client_argonnelab/external/en_US/gateway.do?functionName=viewFromLink&localeCode=en-us&jobPostId=1384

The Nanoscience and Technology Division/Center for Nanoscale Materials (CNM) at Argonne National Laboratory has an available assistant scientist position within the Nanophotonics Group, funded through the Major Facilities Operations for the Center for Nanoscale Materials program. The prospective researcher will carry out research in the area of ultrafast light-matter interactions and energy transduction in nanoscale materials, with particular focus on the unique photophysics and photochemistry of hybrid nanoscale materials.

Lecturer in Experimental Particle Physics - University of Manchester

<https://www.jobs.manchester.ac.uk/world-leadingminds/displayjob.aspx?jobid=7356>

Participating in experiments at international laboratories, you will work in collaboration with physicists and astronomers worldwide. We search for an outstanding scientist with expertise in detector development and/or physics analysis which will contribute to the neutrino programme (accelerator or non-accelerator based) or the work on the LHCb experiment. With an international reputation and track record in experimental particle physics, you will play an important role in expanding the Group's activities in this research field.

Associate Chief Scientist - RIKEN

<http://www.riken.jp/en/careers/researchers/20140401/>

The Associate Chief Scientist program was established with the aim of fostering young talented researchers to become leaders in their field. RIKEN Chief Scientists not only produce outstanding research achievements, but also serve as leaders committed to the future of RIKEN's research by pioneering new fields without being subject to the constraints of existing disciplines or organizational structures. Associate Chief Scientists are expected to have the character and drive to take the lead in pioneering the next generation of scientific research by setting up and managing their own laboratories from a long-term and global perspective.

Postdocs and Fellowships

Postdoctoral Associates in Experimental and Theoretical High Energy Physics

<http://inspirehep.net/record/1278798?ln=en>

The high-energy physics group at the Catholic University of Chile is seeking postdoctoral associates in both theoretical and experimental particle physics. The ideal candidate would work on one or more of these areas: Theoretical quantum fields, gravitation, cosmology, astro-particles, and asymptotic safety; Phenomenology on SM Higgs boson, neutrinos, supersymmetry, and physics beyond the SM; Experimental high energy physics associated with the ATLAS Collaboration: Thin Gap Chambers, tau lepton trigger, and analysis of data searching for physics beyond the SM; Experimental Neutrino Physics in the context of the Daya Bay Experiment and on R&D work for future experiments; Experimental work related to the CLIC Collaboration.

Postdoctoral Research Associate - Princeton Nanoscale Microscopy Laboratory

<http://www.princeton.edu/physics/about/employment/princeton-nanoscale-micro/index.xml>

Postdoctoral Associate and more senior positions are available in the Princeton Nanoscale Microscopy Laboratory (PNML) under the direction of Professor Ali Yazdani in the Department of Physics at Princeton University. The successful candidates will participate in the research activities of the lab with graduate and undergraduate students as well as postdoctoral scientists. The candidates will be operating ultra-high vacuum (UHV) and low temperature lab equipment, instruments and systems, and will design experimental methods and procedures that will meet specific research projects and goals. This position will involve projects to run experiments on existing equipment or help design modifications to the instrumentation to make future experiments possible.

Postdoctoral Research Associate in Superconducting Quantum Devices - University of Maryland

<http://jobs.physicstoday.org/jobs/6025483/postdoctoral-research-associate-in-superconducting-quantum-devices>

Applications are being accepted for an experimental postdoctoral research position in quantum information science at the Laboratory for Physical Sciences in College Park, MD. Research will be performed in the area of quantum superconducting devices with a focus on noise mitigation in single qubit designs or entanglement in multi-qubit systems. Candidates should have a Ph.D. in experimental condensed matter physics or a closely related field. Candidates with experience in low-temperature measurements, microwave measurements, device fabrication, software data acquisition, and data analysis will be favored. Interested candidates are invited to seek more information or submit an electronic application to Dr. Ben Palmer at bpalmer@lps.umd.edu. Applications should include a CV, a list of publications, and contact details for two references. Salary and benefits are offered through the University of Maryland, an Affirmative-Action/Equal Opportunity employer. Applications are particularly welcomed from women and members of minority groups

Find more opportunities at...

<http://career.engin.umich.edu/employers/careerfairs.html>

<http://careers.aapm.org/jobs>

<http://careers.physicstoday.org>

<http://www.aps.org/careers/employment/>

<http://wdrs.fnal.gov/employ/index.html>

<http://www.indeed.com>

<http://www.aps.org/careers/employment/internships.cfm> (Internships)