USB ExoSAP-IT
single-step PCR cleanup
saves valuable time.

ExoSAP-IT® single-step PCR cleanup saves time and money, making it more efficient than column purification.

ExoSAP-IT reagent takes PCR reactions straight to sequencing, so you can avoid the hassle of columns. ExoSAP-IT PCR cleanup removes primers and nucleotides from PCR reactions, ensuring quality sequencing results. And, because ExoSAP-IT reagent only requires a single pipetting step, you spend less time processing columns and more time processing results.

To discover how ExoSAP-IT PCR cleanup can add value to your research, call 800-321-9322 or go to www.usbweb.com/singlestep
If you have a copy of *Molecular Cloning* on your shelf, you will certainly want to visit *CSH Protocols* online for the latest laboratory techniques.

*CSH Protocols* is a response to requests from scientists for authoritative information about techniques with a broad editorial scope, delivered through a state-of-the-art online interface. At the site, you will find methods from *Molecular Cloning* along with protocols from many best-selling Cold Spring Harbor Laboratory Press manuals, such as *Cells* and *Antibodies*, as well as protocols from Cold Spring Harbor’s renowned on-site courses. In addition, you will discover new cutting-edge protocols submitted by and commissioned from laboratories worldwide. A peer-reviewed online journal, *CSH Protocols* is indexed in PubMed and updated monthly.

We invite your institution to start a free trial for a hands-on review of *CSH Protocols*. To start your online trial, simply visit [www.cshprotocols.org](http://www.cshprotocols.org) and follow the link to request an online trial. Or email us at cshpress@cshl.edu and we will contact your institution’s librarian to arrange free trial access.

Please take the time to review *CSH Protocols*. We are confident you and your researchers will find it to be an essential resource.

**CSH Protocols—Manuals and More Online.**

[www.cshprotocols.org](http://www.cshprotocols.org)
Why settle for iffy?

Get the proven value of Illumina® microarrays.

Your research is no place to take unnecessary risks. Not when you can use the proven Illumina microarray platform. Industry-leading call rates and data quality. Flexible options to give you the right array for your study. It’s value without compromise. Only from Illumina.

The Real Deal.

Now you can get the proven value of Illumina technology—at special prices—during the Illumina Real Deal promotion.

Take advantage of these limited time offers by visiting www.illumina.com/iffy
Cold Spring Harbor Perspectives in Biology
The Authoritative View

A New Type of Review Journal

Cold Spring Harbor Laboratory Press announces the launch of a new monthly online publication, Cold Spring Harbor Perspectives in Biology. Spanning the complete spectrum of the molecular life sciences, the journal offers article collections that comprehensively survey topics in molecular, cell, and developmental biology, genetics, neuroscience, immunology, cancer biology, and molecular pathology. Written by leading researchers and commissioned by an eminent board of editors, subject collections grow with every issue of the journal. Cold Spring Harbor Perspectives in Biology is thus unmatched in its depth of coverage and represents an essential source for informed surveys and critical discussion of advances in emerging areas of biology.

Scope: Molecular Biology, Cell Biology, Developmental Biology, Genetics, Neurobiology, Molecular Pathology
Monthly, online

Subject Coverage
Angiogenesis
Antigen Receptor Diversification
Apoptosis
Auxin Signaling
Axonal Guidance
The Biology of Cardiovascular Disease
The Biology of Schizophrenia
Calcium Signaling
Cell–Cell Junctions
Cilia and Flagella
The Cytoskeleton
DNA Damage and Repair
The Extracellular Matrix
The Endoplasmic Reticulum
The Evolution of Gene Networks
Generation and Interpretation of Morphogen Gradients
Germ Cells
The Golgi Apparatus
G-Protein-Coupled Receptors
Immune Cell Signaling
Immune Tolerance
Lipid Cell Biology
Lymphocyte Cell Biology
Mammary Gland Biology
Mechanotransduction
Membrane Fusion and Exocytosis
Mitochondria
Mitosis
Molecular Motors
Muscle Cell Biology
The NF-κB Family
Nuclear Hormone Receptors
The Nucleus
The Origin of Life
The p53 Family
Prions
Prokaryote Cell Biology
Protein Homeostasis
Receptor Tyrosine Kinases
Recombination Mechanisms
Regeneration
The RNA World
Sex Determination
Symmetry Breaking in Biology
Synapses
Transcriptional Regulation
Wnt Signaling
The Y Chromosome

Visit today
www.cshperspectives.org
Roche Postdoctoral Fellowship in Human Genome Structural Variation (Based in Nutley, New Jersey)

Who we are
At Roche, 80,000 people across 160 countries are pushing back the frontiers of healthcare. Working together, we’ve become one of the world’s leading research-focused healthcare groups. Our success is built on innovation, curiosity and diversity and on seeing each other’s differences as an advantage.

As a cross-divisional unit within Roche Pharma Research, the global Translational Research Sciences (TRS) network provides scientific and technical support to the Disease Biology Areas and to the Lifecycle Teams as a key part of our company’s Personalized Health Care strategy. The TRS also interfaces with Roche Diagnostics. Opportunities for close collaboration exist with Roche scientists within the TRS (New Jersey and Switzerland), Roche Molecular Diagnostics (California), 454 Life Sciences (Connecticut) and NimbleGen (Wisconsin and Iceland).

The position
We have an immediate opportunity for a talented scientist to enter the global TRS network through the Roche Postdoctoral Fellowship (RPF) Program. The RPF was established to foster industry-academic collaboration through innovative science and to engage talented scientists by enabling access to cutting-edge technology, novel ideas and creative talent.

Within an interdisciplinary team, you will be responsible for conducting research in the area of genome-wide Copy Number Variation (CNV) using both high-density arrays and paired-end second generation sequencing. Other technologies will be employed in follow-up validation experiments. Projects will focus on drug target and biomarker discovery in oncology, inflammation, virology, CNS or metabolic/vascular disease areas. In collaboration with a team of geneticists, bioinformaticians and statisticians you will contribute to study design, help establish analysis workflows, and support the interpretation and presentation of results. The RPF position is based in Nutley, New Jersey (approx. 20 miles west of New York City) and reports to the head of the global TRS DNA Biomarker laboratory.

Who you are
You have a PhD in genetics, biochemistry or molecular biology with laboratory experience in genome-wide copy number or structural variation research. The ideal candidate has technical experience with multiple platforms for structural variation detection and validation (e.g. qPCR), a broad knowledge of human genetics, and strong informatics skills. You are fluent in English (written and spoken), possess excellent communication and presentation skills, and enjoy team work in a highly matrixed environment.

In addition, you’re someone who wants to influence your own development. You’re looking for a company where you have the opportunity to pursue your interests across functions and geographies, and where a job title is not considered the final definition of who you are, but the starting point.

Job ID No.: 13403
The next step is yours. To apply online, please visit our career website at www.rocheusa.com/career and reference position number 13403.

Roche is an Equal Opportunity Employer fully committed to workplace diversity.

Postdoctoral Positions at Cold Spring Harbor Laboratory

Cold Spring Harbor Laboratory is a world-renowned research and educational institution recognized internationally for its excellence in ground-breaking research and educational activities. We invite highly motivated individuals to visit our website at www.cshl.edu to review and apply for current postdoctoral opportunities in the following areas.

Cancer Research: Members of the CSHL Cancer Center are involved in studies focused on cancer genomics, signal transduction, mouse models, gene expression, cell proliferation and tumor biology.

Neuroscience: The primary focus of the CSHL Neuroscience program is neural circuits and how disruption of these circuits leads to disorders including autism and schizophrenia. Research is being carried out at the genetic, molecular, developmental, systems, behavioral and computational levels.

Plant Biology: The CSHL Plant Biology program focuses primarily on development, stem cells, morphogenesis, plant genomics and epigenetics.

Genomics and Bioinformatics: The CSHL Genomics program uses state-of-the-art technologies including high-throughput sequencing, copy number variation analysis and transcriptome analysis. Efforts are ongoing to understand genomic variation associated with several human diseases as well as elucidating and characterizing new functional outputs of the genome.

Quantitative Biology: The CSHL Center for Quantitative Biology is comprised of scientists in the fields of physics, computer science, engineering, statistics and applied mathematics dedicated to applying quantitative methods to studies in human genetics, genomic, neurobiology, and signal and image processing.

Cold Spring Harbor Laboratory
Human Resources
One Bungtown Road
Cold Spring Harbor, NY 11724
Website: www.cshl.edu

Cold Spring Harbor Laboratory is an Equal Opportunity Employer.
The First
Galaxy Developer Conference
A community gathering for people interested in tool integration, deployment, development, and extension of the Galaxy framework to meet their data analysis goals

May 15 - 17, 2010
Shaver’s Creek Environmental Center at Penn State University
http://galaxyproject.org
sponsored by the National Science Foundation and the Huck Institutes for the Life Sciences at Penn State

The Galaxy Team at Emory University and Penn State University
Postdoctoral and Software Engineering Positions

The Galaxy Team at Emory University and Penn State University is looking for ambitious individuals to fill multiple postdoctoral and software engineering positions. Galaxy is used by thousands of researchers worldwide on a daily basis and multiple institutions run local instances of our software. Because Galaxy is primarily a tool and data integration framework, it is ideally suited by analysis of next-generation sequencing (NGS) data.

We are currently particularly seeking engineers with experience in distributed computing and systems, as well as usability and visualization. Successful candidates will initially focus on making NGS data analysis more widely accessible, transparent, and reproducible, as well as development of bioinformatic tools in application areas including re-sequencing, de novo assembly, metagenomics, transcriptome analysis and epigenetics. Post-doctoral positions for addressing biological questions (e.g., mutagenesis and sex chromosome evolution from NGS data) using Galaxy tools are also available. Our current level of funding provides good job security and our project is well known, enabling excellent possibilities for subsequent career choices. Note that these are full time salaried positions (we cannot take on contractors at this time) located in Atlanta, GA or State College, PA.

To apply, e-mail cover letter, resume that includes highlights of your biological or software development experience, and contact information for three references to jobs@galaxyproject.org. Galaxy is an open source project committed to the openness of scientific enterprise. It is free for all.