The life science leaders of EMD Millipore + Sigma-Aldrich have joined together and, with our agile e-commerce and global distribution, we can help to simplify your world. So you can focus with confidence on tackling life science’s biggest challenges.

MilliporeSigma now offers:
- An extended global network across more than 66 countries
- A world-class e-commerce platform to simplify transactions
- A vast portfolio that has grown to over 300,000 products

Our combined strengths will deliver the knowledge, know-how, and best-in-class resources.

Learn more at milliporesigma.com
The life science leaders of **Merck Millipore + Sigma-Aldrich** have joined together and, with our agile e-commerce and global distribution, we can help to simplify your world. So you can focus with confidence on tackling life science’s biggest challenges.

The life science business of Merck now offers:
- **An extended global network** across more than 66 countries
- **A world-class e-commerce platform** to simplify transactions
- **A vast portfolio** that has grown to over 300,000 products

Our combined strengths will deliver the **knowledge, know-how, and best-in-class resources.**

Learn more at [merckgroup.com/life-science](http://merckgroup.com/life-science)
More Capacity

Centrifuge 5920 R
The new Centrifuge 5920 R delivers extraordinary high capacity in a very compact and ergonomic product design. Its state-of-the-art refrigeration system provides excellent cooling performance and keeps your temperature sensitive samples safe.

> Max. capacity: 4 x 1000 mL or 52 x 50 mL conical
> Outstanding rotor versatility
> Space-saving design
> Advanced temperature management
> NEW: Eppendorf Conical Tubes, 15 mL and 50 mL
Join our adventure in the American West to see the Total Solar Eclipse overlooking Sun Valley, Idaho! Discover pre-historic sites from Boise to the Tetons. Follow the Snake River to an important fossil site. Ride in cable cars with an incredible 360-degree view of Jackson Hole, the Tetons, and Yellowstone National Park. Trip fee: $4,595 + air.

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*For a detailed brochure, call (800) 252-4910*

All prices are per person twin share + air

**Betchart Expeditions** Inc.

17050 Montebello Rd, Cupertino, CA 95014

Email: AAASInfo@betchartexpeditions.com

www.betchartexpeditions.com

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Recognize the work of an early career scientist who has performed outstanding work in the field of cancer research. Award nominees must have received their Ph.D. or M.D. within the last 10 years. The winner will deliver a public lecture on his or her research, receive a cash award of **$25,000**, and publish a Focus article in *Science Translational Medicine*.

For more information visit www.aaas.org/aboutaaas/awards/wachtel or e-mail wachtelprize@aaas.org.

Deadline for submission: March 1, 2017.
Genomic Data Analysis Software

Illumina’s NGS-based CytoSeq assay extends beyond traditional microarray-based cytogenetics assays for detection of copy number variation (CNV) and absence of heterozygosity (AOH), but also adds the ability to identify single-nucleotide variation, all in a single assay. Coupled with BioDiscovery’s N.Clinical software for analysis and interpretation of genomic events, the new solution will offer customers a powerful and cost-effective research tool for studying CNVs, AOH, and mutations in genetic disorders. The N.Clinical software will be offered with the CytoSeq assay, providing an easy-to-use, interactive instrument for visualization and interpretation of genomic events. The N.Clinical software will directly read CytoSeq results to process sample data and provide results.

BioDiscovery
For info: 310-414-8100
www.biodiscovery.com

Inductively Coupled Plasma Optical Emission Spectrometry

The Agilent 5110 inductively coupled plasma optical emission spectrometer (ICP-OES) will enable scientists to perform faster, more precise ICP-OES analysis than ever before in food, environmental, and pharmaceutical testing as well as in mining and industrial applications. The new system builds on the company’s breakthrough 5100 ICP-OES, which captures axial and radial views of plasma in a single measurement, enabling laboratories to use half as much argon in the process, and saving both time and money. The new system is also a dual-view system. Unlike ICP-OES systems from other vendors, the 5110 enables laboratories to increase throughput without compromising on precision. It includes a fully integrated advanced valve system with unique hardware and software technologies that enable ultra-high throughput with excellent precision and ease of use. IntelliQuant measurement is used for rapid sample screening and simple method development. Lastly, new diagnostic capabilities maximize instrument uptime and simplify troubleshooting.

Agilent Technologies
For info: 800-227-9770
www.agilent.com

LCMS Pretreatment Module

The Clinical Laboratory Automation Module (CLAM-2000) automatically performs all the processes necessary for analyzing blood and other biological samples, from scanning information from blood collection tubes to sample pretreatment and LCMS analysis. The CLAM-2000 is directly attached to the LCMS system, thus enabling a very safe, simple means for lab personnel to process and analyze samples. A variety of functions help ensure the precision of analytical results, including management of reagents, calibration curves, and controls, as well as system maintenance management. The CLAM-2000 module automatically processes individual samples successively in parallel, which gives researchers uniform pretreatment times and allows more efficient use of the mass spectrometer. By automating operations such as dispensing, stirring, filtering, heating, and sample transfer, the system effectively improves data accuracy and achieves the reproducibility needed for clinical research for new drug discovery and monitoring of drugs in the blood.

Shimadzu Scientific Instruments
For info: 800-477-1227
www.ssi.shimadzu.com

Zika Virus Antibody

To help accelerate progress toward a vaccine or treatment for this global health threat, a Zika virus antibody from Vanderbilt University and Kerafast is now available. Thought to be the cause of microcephaly in newborn babies, the disease is spread by the mosquito genus Aedes as well as by sexual contact. By sharing data and materials research, institutions can help to address the current Zika outbreak and minimize its effects on the global population. The Zika polyclonal antibody recognizes the human Zika envelope (E) protein and can be utilized for a range of applications to study the virus and its function. Since its founding in 2011, Kerafast has partnered with more than 130 prominent academic research institutions internationally that provide thousands of rare and unique “Reagents for the Greater Good” for the benefit of the scientific community working toward the cure of disease in 52 countries on 6 continents.

Kerafast
For info: 800-546-1760
www.kerafast.com

PD-1 Cell Lines

AMS Biotechnology has introduced cell lines for programmed cell death protein-1 (PD-1) research, and for testing inhibitors of the PD-1/PD-L1 (PD-ligand 1) pathway. The binding of PD-1, a receptor expressed on activated T-cells, to its ligands (PD-L1 and PD-L2) negatively regulates immune responses. PD-1 ligands are highly expressed in many cancers, and their interaction inhibits T-cell activity, allowing cancer cells to escape immune surveillance. The PD-1/PD-L pathway is also involved in regulating autoimmune responses, making these proteins therapeutic targets for a number of cancers, as well as multiple sclerosis, arthritis, lupus, and type I diabetes. A PD-1/NFAT Reporter-Jurkat Cell Line is available for screening of activators or inhibitors of PD-1 signaling. An accompanying T-cell receptor activator/PD-L1–CHO Recombinant Cell Line is also designed for screening for activators or inhibitors of PD-1 signaling as well as screening PD-L1 antibodies for their binding affinity.

AMS Biotechnology
For info: +44-(0)-1235-828200
www.amsbio.com

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Xi'an Jiaotong University
Welcome Distinguished Scholars From Home and Abroad

XJTU Introduction
Xi'an Jiaotong University is a key university which is directly administered by the Chinese Education Ministry and is one of the oldest current institutions of higher education in China. Xi'an Jiaotong University, as one of the first universities entering the seventh and eighth five-plan, as well as China's "211 Project" and "985 Project", is selected to be developed into a global first-class university.

Currently Xi'an Jiaotong University is a comprehensive research university with scientific focus. It is composed of 10 branches of learning, namely: science, engineering, medicine, economics, management, literature, law, philosophy, education and art. The university currently consists of 20 full-time colleges and schools, 8 schools for undergraduates and 12 affiliated teaching hospitals. It boasts a high-level staff of 5,696, including 3,006 full-time teachers, among which are 1,800 professors and associated professors.

XJTU has 29 academicians of the Chinese Academy of Sciences and the Chinese Academy of Engineering, of which 17 are double-hired academicians. There are 6 national-level teachers, 57 Changjiang Scholars, 35 Outstanding Young Investigator Award laureates, 20 national experts with outstanding contributions to the country, 41 nation-level candidates of the National Talents Project, and the 21st Century National Talents Project, 19 leaders of the Program for Changjiang Scholars and Innovative Research Team. 234 personnel of 21st Century Excellent Talents Training Plan proposed by the Ministry of Education, and 535 experts who have made outstanding contributions and enjoy special governmental allowances.

In this new century, Xi'an Jiaotong University continues to renew itself in adapt to the ever-changing landscape of higher education, domestically and internationally, gradually evolving a model of higher education that is suited to international developments, while constructing at the same time a modern scientific approach to policy-making, policy execution and supervision, so as to provide the university with a management structure meeting international standards. Together, the two lay a firm foundation for building Xi'an Jiaotong University into a top-flight international university.

Recruitment Requirements

Leading Scholars Program
1. Academicians of CAS and CAI, selected candidates of National Thousand Talents Program, Tens of Thousands of People Plan, Changjiang Scholars Program, The National Science Fund for Distinguished Young Scholars, etc.
2. Professors or other specialists with equivalent academic level who work in famous universities or research institutes at home and abroad
3. Excellent scholars who in charge of national important research tasks and make significant academic achievements

Young Talents Support Plan
1. Applicants should have obtained PhD degree and under the age of 40; Outstanding applicants under 45 can also be considered & recruited
2. Applicants should have extensive academic horizon and innovative thinking, and have the potential to become future leaders in relevant areas.
3. Applicants should have outstanding academic achievements in their chosen fields, be prominent among peers and have obtained high recognition from academia.

How to Apply

Please email a CV to our contacts listed below. After reaching agreement, we will have designated staff to help with applying to the different talent programs. Please include basic personal data, contact information, education and work experience, and major academic achievements including publications, research projects, grants, patents, awards and so forth in the CV.

Contact Information
Teacher Xie, 86-29-82668975, bxjxie@mail.xjtu.edu.cn
Teacher Liu, 86-29-82668975, lybobo@mail.xjtu.edu.cn
As a company rooted in science we are committed to producing and rigorously validating our products in house. This ensures they will work in your experiments and be worthy of the important research efforts they support. We are proud to be recognized by scientists for our efforts to be leaders in key validation areas.*

*#1 Rank: 2015 Biocompare Antibody Market Report  •  www.cellsignal.com/rooted