Dendritic Cells & Inflammatory Signaling Pathways

Inflammatory/immune signaling through cytokines is dependent on Dendritic Cell anatomic location, type of stimuli, activation state and the complex interplay between signaling pathways of each immune response. Surface TLR molecules and cytosolic/intracellular innate immune receptors like NLRs and RLRs participate in the recognition of microbes. Notch signaling pathways also cross talk with NF-κB and indicate that additional receptors or Notch ligands such as Jagged on Dendritic Cell subsets are expressed at sites of infection or inflammation.

IMGENEX Corporation along with our partner DENDRITICS provide the most comprehensive broad scope of reagents with our expanded range of sizes and formats at prices to better fit today’s budget constraints.

With IMGENEX's technology and products you can explore, advance and develop new research focusing on the interplay of cells, ligands, ensuing signaling pathways and cytokines that Dendritic Cells, Tregs or Th17 implement in normal or disease states.

**Products & Applications** are validated for Flow Cytometry, IHC, Western Blotting & Functional Assays

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**Flow Cytometry Kits**

- **Ligands, Agonists & Antagonists**
- **Reporter Cell Lines**
  - TLR HEK 293 Cell Lines
  - NF-κB/SEAP RAW Cell Line for mouse models
  - TLR/NF-κB/SEAPorter™ HEK 293 Cell Lines
  - Luciferase Reporter Assays & Reporter Cell Lines for Th17 & Tregs
Introducing the BD FACSJazz™
Perfectly tuned cell sorting from BD Biosciences.

Breathtaking solo performance.

The BD FACSJazz™ system begins a new era in cell sorting with stellar performance, benchtop fit, and an affordable price.

The BD FACSJazz can be configured with up to 3 lasers and 8 parameters to support your application needs—offloading sorting demand at core labs or meeting the needs of individuals. Requiring less than 2 x 2 ft (20 x 20 in, 51 x 51 cm) of bench space, the BD FACSJazz also addresses biosafety concerns with an optional custom designed biosafety cabinet that meets personnel and product protection standards for both a Class II Type A2 biosafety cabinet and the National Sanitation Foundation International Standard 49.

In addition to factory-optimized settings, the BD FACSJazz comes standard with BD FACS™ Sorter software to simplify use. This innovative software is specifically designed for cell sorting and features comprehensive control for acquisition, sorting, and analysis.

For legendary results, just add your creativity. Learn how at bdbiosciences.com/go/jazz

Class 1 Laser Product.
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San Jose, CA 95131
bdbiosciences.com
Endowed Professor of Immunology

The Department of Molecular Genetics and Microbiology at Stony Brook Medicine is seeking an immunologist to provide leadership in the research field of immunology. This position will be endowed by a significant philanthropic gift, and it is expected that the successful candidate will become the focus of additional faculty in the field of immunology. With the recent approval of the NYSUNY 2020 Challenge Grant to the University and the announcement of the largest gift ever to public higher education in the State of New York, Stony Brook University School of Medicine is embarking on a transformational expansion of the biomedical and clinical research enterprise. The investment in immunology will include development of multi-departmental immunology programs through additional faculty recruitments in this field.

Applicants for this position should have a demonstrated track record of extramural funding in immunology research. Candidates with research interests in host response to infectious organisms or cancer will complement existing academic strengths.

**Required:** The successful candidate will have a PhD or MD degree and possess a demonstrated record of scholarship in immunology. For a senior faculty appointment, the candidate must meet the criteria established by the School of Medicine (School of Medicine’s Criteria for Appointment, Promotion and Tenure).

**For a full position description, application procedures or to apply online visit [www.stonybrook.edu/jobs](http://www.stonybrook.edu/jobs) (Ref. #: F-7398-12-07).** Nominations and applications, to include a State employment application and curriculum vitae, should be submitted to: Dr. Jorge L. Benach, Chair of Search Committee, c/o Ms. Christina Babzien Life Sciences Building, Room 280A, Stony Brook University, Stony Brook, NY 11794-5222

Electronic applications are preferred.

At Stony Brook Medicine, our highest calling is to put the power of ideas to work in our patients’ lives. Stony Brook Medicine integrates and elevates all of Stony Brook University’s health-related initiatives: education, research and patient care. It includes Stony Brook University Hospital, Long Island’s premier academic medical center. With 597 beds, SBUH is the region’s only tertiary care center and Regional Trauma Center. We are home of the Stony Brook Heart Institute, Stony Brook Center for Infectious Diseases, Stony Brook Cancer Center, Stony Brook Long Island Children’s Hospital, Stony Brook Neurosciences Institute and Stony Brook Digestive Disorders Institute.

Join our team at Stony Brook Medicine – the best ideas in medicine.

Stony Brook University/SUNY is an affirmative action, equal opportunity educator and employer.