SAB BIO to Present Data at the International Society for Pediatric and Adolescent Diabetes Annual Conference Showcasing Progress in the Development of SAB-142

November 4, 2025

MIAMI, Nov. 04, 2025 (GLOBE NEWSWIRE) -- SAb Biotherapeutics, Inc. (Nasdaq: SABS), a clinical-stage biopharmaceutical company developing human anti-thymocyte immunoglobulin (hATG) for type 1 diabetes (T1D) and other autoimmune diseases, today announced that four oral presentations and two poster presentations have been accepted for presentation at the 51st Annual Conference of the International Society for Pediatric and Adolescent Diabetes (ISPAD) being held November 5-8, 2025 in Montréal, Canada. Data highlights the progress of SAB BIO's lead program, SAB-142, which is in development for delaying the progression of T1D in new onset Stage 3 patients.

Key data to be presented includes:

- Data from the Phase 1 study showcasing the clinically validated, multi-specific mechanism of action with sustained immunomodulation of SAB-142.
- Safety data from the Phase 1 trial of SAB-142 demonstrating a favorable safety profile, characterized as not causing serum sickness or anti-drug antibodies at target dose.
- Details of the novel pharmacokinetic assay for measuring SAB-142.

"We are making significant progress with the development of SAB-142, and the data we are sharing at this year's ISPAD annual conference adds to the supporting body of evidence for SAB-142 as a potential best-in-class therapy for the treatment of Stage 3 autoimmune type 1 diabetes," said presenting author Christoph Bausch, Chief Operating Officer, SAB BIO.

Oral Presentation Details:
Title: Specimen quality for multicenter clinical trials: comparing novel blood preservation methods to cryopreserved PBMC
Session: Oral Session II: Genes, cells and pathways | Presentation 12
Presenter: Eric Sandhurst, PhD, Director, Program Management, SAB BIO
Presentation Date & Time: Wednesday, November 5, 2025 | 4:38 – 4:46 p.m. ET
Location: Session Hall 3

Title: Profiling the Binding Specificities of SAB-142, a Fully Human Anti-Thymocyte Globulin, Against T Cell Surface Proteins
Session: Oral Session V: Treatment in diabetes | Presentation 42
Presenter: Diane Maher, PhD, Director, Program Management, SAB BIO
Presentation Date & Time: Friday, November 7, 2025 | 11:38 – 11:46 p.m. ET
Location: Session Hall 3

Title: Immunomodulation Without Sustained Lymphodepletion: SAB-142, a Fully Human Anti-Thymocyte Globulin
Session: Oral Session V: Treatment in diabetes | Presentation 43
Presenter: Stan Stoyanov, MD, Vice President, Clinical Development, SAB BIO
Presentation Date & Time: Friday, November 7, 2025 | 11:46 – 11:54 p.m. ET
Location: Session Hall 3

Title: Mechanism of Action of a Fully Human Anti-Thymocyte Globulin, SAB-142, for the Treatment of Type 1 Diabetes
Session: Oral Session V: Treatment in diabetes | Presentation 44
Presenter: Christoph Bausch, PhD, Chief Operating Officer, SAB BIO
Presentation Date & Time: Friday, November 7, 2025 | 11:54 a.m. – 12:02 p.m. ET
Location: Session Hall 3

Poster Presentation Details:
Title: Novel Pharmacokinetic (PK) Assay for Measuring SAB-142, a Fully Human Anti-Thymocyte Globulin
Session: Poster Corner 4: Novel Advances and Interventions; Diabetes in Developing Countries and Migrant Populations | Presentation 123
Presenter: Evan Gardner, Senior Manager, Clinical Bioanalysis, SAB BIO
Presentation Date & Time: Thursday, November 6, 2025 | 3:15 – 4:15 p.m. ET
Location: Exhibition & Poster Area

Title: Safety Profile of SAB-142: a Fully Human Anti-Thymocyte Globulin
Session: Poster Corner 2: New insulins; Adjunctive Therapies; Other Pharmacologic Agents; Novel Advances and Interventions
Presenter: Stan Stoyanov, MD, Vice President, Clinical Development, SAB BIO
Presentation Date & Time: Friday, November 7, 2025 | 3:15 – 4:15 p.m. ET
Location: Exhibition & Poster Area

About SAB-142
SAB-142 is a potentially disease-modifying, re-dosable immunotherapy in clinical development for the treatment of autoimmune type 1 diabetes (T1D). SAB-142 is a multi-specific, fully human anti-thymocyte globulin (hATG) with a mechanism of action analogous to that of rabbit ATG (rATG). rATG has demonstrated in multiple clinical trials the ability to slow disease progression in patients with new or recent onset of Stage 3 T1D. SAB-142, like rATG, directly targets multiple immune cells involved in destroying pancreatic beta cells, including modulation of "bad acting" T-lymphocytes like Cytotoxic T-cells. By stopping immune cells from attacking beta cells, this treatment has the potential to preserve insulin-producing beta cells.

About SAB BIO
SAB BIO is a clinical-stage biopharmaceutical company focused on developing multi-specific, high-potency, human immunoglobulin G (hIgG) to treat and prevent immune and autoimmune disorders. The Company's lead asset, SAB-142, targets autoimmune T1D with a disease-modifying therapeutic approach that aims to change the T1D treatment paradigm by delaying onset and potentially preventing disease progression of Stage 3 T1D patients. Using advanced genetic engineering and antibody science, SAB BIO developed a proprietary platform which holds the potential to generate additional novel therapeutic candidates utilizing the human immune response, without the need for human donors or convalescent plasma. SAB BIO has optimized genetic engineering in the development of transchromosomic cattle, or Tc Bovine, to produce hIgG. SAB BIO's drug development production system is able to generate a diverse repertoire of specifically targeted, high-potency, hIgGs that can address a wide range of serious unmet needs in human diseases. For more information, visit www.sab.bio.

Forward-Looking Statements
Certain statements made in this current report that are not historical facts are forward-looking statements for purposes of the safe harbor provisions under The Private Securities Litigation Reform Act of 1995. Forward-looking statements generally are accompanied by words such as "believe," "may," "will," "to be," "estimate," "continue," "anticipate," "intend," "expect," "should," "would," "plan," "predict," "potential," "seem," "seek," "future," "outlook," and similar expressions that predict or indicate future events or trends or that are not statements of historical matters. These forward-looking statements include, but are not limited to, statements regarding future events, including statements about the development and clinical trial results of the Company's T1D program and other discovery programs.

These statements are based on the current expectations of SAB BIO and are not predictions of actual performance, and are not intended to serve as, and must not be relied on, by any investor as a guarantee, prediction, definitive statement, or an assurance, of fact or probability. These statements are only current predictions or expectations, and are subject to known and unknown risks, uncertainties and other factors which may be beyond our control. Actual events and circumstances are difficult or impossible to predict, and these risks and uncertainties may cause our or our industry's results, performance, or achievements to be materially different from those anticipated by these forward-looking statements. A further description of risks and uncertainties can be found in the sections captioned "Risk Factors" in our most recent annual report on Form 10-K, subsequent quarterly reports on Form 10-Q, as may be amended or supplemented from time to time, and other filings with or submissions to, the U.S. Securities and Exchange Commission, which are available at https://www.sec.gov/. Except as otherwise required by law, SAB BIO disclaims any intention or obligation to update or revise any forward-looking statements, which speak only as of the date they were made, whether as a result of new information, future events, or circumstances or otherwise.

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