



Yield10 Bioscience Chief Science Officer Dr. Kristi Snell to Present on Advances in Utilizing CRISPR Genome Editing to Increase Seed Oil Content in Camelina at Canola Week Conference

December 2, 2021

WOBURN, Mass., Dec. 02, 2021 (GLOBE NEWSWIRE) -- Yield10 Bioscience, Inc. (Nasdaq:YTEN), an agricultural bioscience company, today announced that its Chief Science Officer Dr. Kristi Snell will present during the Canola Week 2021 Conference taking place in virtual format November 30 through December 2, 2021.

Dr. Snell will make a pre-recorded virtual presentation on December 2, 2021 as part of Canola Innovation Day during the session "Cutting Edge Molecular Technologies—Genome editing and quantitative proteomics for Brassica crop improvement" scheduled for 10:30 am - 11:30 am CST or 11:30 am -12:30 am EST. Her presentation, entitled "Genome editing to increase seed oil in Camelina," will describe the use of CRISPR genome editing to increase seed oil content in Camelina as well as the use of the GRAIN platform to identify novel editing targets for oilseed crops.

Yield10 researchers have identified and are currently developing novel traits to increase seed oil content in oilseed crops. Line E3902 was produced using CRISPR genome editing to modify three genes in Camelina involved in oil biosynthesis and oil turnover. The E3902 trait represents a leading trait in Yield10's pipeline and is currently being scaled up to produce oil for sampling. Earlier in 2021, Yield10 announced the identification of the novel trait C3020 and three additional traits which may be useful for increasing oil content using the Company's GRAIN platform. Overexpression of C3020 in Camelina produced a ten percent increase in seed oil content in greenhouse studies. Yield10 plans further work with these novel oil content traits including the evaluation of trait combinations.

"Demand for oil feedstock for production of renewable diesel in the U.S. and Canada is expected to rise significantly over the next five years," said Kristi Snell, Ph.D., Chief Science Officer of Yield10 Bioscience. "We believe that our GRAIN platform has enabled us to identify valuable new traits to meaningfully increase oil content in oil seed crops to meet the emerging growth in demand for oil in biofuel applications. Our work in Camelina has the potential to transform the crop into a high revenue, high yield, and low carbon index crop for securing acreage to produce renewable diesel feedstock."

Learn more about the [CanolaWeek](#) 2021 conference on the conference website. On Thursday, December 2, a copy of Dr. Snell's slide deck as well as a video of the presentation will be available on the Yield10 Bioscience [investor relations website](#).

About Yield10 Bioscience

Yield10 Bioscience, Inc. is an agricultural bioscience company that is using its differentiated trait gene discovery platform, the "Trait Factory", to develop improved Camelina varieties for the production of proprietary seed products, and to discover high value genetic traits for the agriculture and food industries. Our goals are to efficiently establish a high value seed products business based on developing superior varieties of Camelina to produce feedstock oils, nutritional oils, and PHA bioplastics, and to license our yield traits to major seed companies for commercialization in major row crops, including corn, soybean and canola. Yield10 is headquartered in Woburn, MA and has an Oilseeds Center of Excellence in Saskatoon, Canada.

For more information about the company, please visit www.yield10bio.com, or follow the Company on [Twitter](#), [Facebook](#) and [LinkedIn](#).

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Safe Harbor for Forward-Looking Statements

This press release contains forward-looking statements which are made pursuant to the safe harbor provisions of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. The forward-looking statements in this release do not constitute guarantees of future performance. Investors are cautioned that statements in this press release which are not strictly historical, including, without limitation, expectations related to research and development activities, reproducibility of data from greenhouse and field tests, market demand for the Company's products, the signing of research licenses and collaborations, including whether the objectives of those collaborations will be met, as well as the overall progress of Yield10 Bioscience, Inc., constitute forward-looking statements. Such forward-looking statements are subject to a number of risks and uncertainties that could cause actual results to differ materially from those anticipated, including the risks and uncertainties detailed in Yield10 Bioscience's filings with the Securities and Exchange Commission. Yield10 assumes no obligation to update any forward-looking information contained in this press release or with respect to the matters described herein.

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